

## Summary of Asbestos Analysis

### Soil Samples

Our Ref 21-14075

Client Ref N051

Contract Title Kildonan Street

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
1871138	WS101 E1 0.20	SOIL	NAD	none	Rebecca Burgess
1871139	WS101 E2 0.50	SOIL	NAD	none	Rebecca Burgess
1871140	WS102 E1 0.20	SOIL	NAD	none	Rebecca Burgess
1871142	WS102 E2 0.50	SOIL	NAD	none	Rebecca Burgess
1871143	WS103 E2 0.50	SOIL	NAD	none	Rebecca Burgess
1871144	CP102 E1 0.20	SOIL	NAD	none	Rebecca Burgess
1871146	CP102 E4 2.00	SOIL	NAD	none	Rebecca Burgess
1871147	CP101 E1 0.20	SOIL	NAD	none	Rebecca Burgess
1871148	CP101 E2 0.50	SOIL	NAD	none	Rebecca Burgess
1871149	WS102 E3 1.00	SOIL	NAD	none	Rebecca Burgess

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: \* - not included in laboratory scope of accreditation.

## WASTE ACCEPTANCE CRITERIA TESTING ANALYTICAL REPORT

Our Ref 21-14075  
Client Ref N051  
Contract Title Kildonan Street  
Sample Id WS103 E1 0.20

Sample Numbers 1871141 1871154 1871155  
Date Analysed 12/07/2021

Test Results On Waste			WAC Limit Values		
Determinand and Method Reference	Units	Result	Inert Waste	SNRHW	Hazardous Waste
DETS 2084# Total Organic Carbon	%	< 0.5	3	5	6
DETS 2003# Loss On Ignition	%	2.0	n/a	n/a	10
DETS 3321# BTEX	mg/kg	< 0.04	6	n/a	n/a
DETS 3401# PCBs (7 congeners)	mg/kg	< 0.01	1	n/a	n/a
DETS 3311# TPH (C10 - C40)	mg/kg	< 10	500	n/a	n/a
DETS 3301 PAHs	mg/kg	< 1.6	100	n/a	n/a
DETS 2008# pH	pH Units	9.2	n/a	>6	n/a
DETS 2073* Acid Neutralisation Capacity (pH4)	mol/kg	< 1.0	n/a	TBE	TBE
DETS 2073* Acid Neutralisation Capacity (pH7)	mol/kg	< 1.0	n/a	TBE	TBE

Test Results On Leachate					WAC Limit Values		
Determinand and Method Reference	Conc in Eluate ug/l		Amount Leached* mg/kg		Inert Waste	SNRHW	Hazardous Waste
	2:1	8:1	LS2	LS10			
DETS 2306 Arsenic as As	0.32	5.9	< 0.002	0.049	0.5	2	25
DETS 2306 Barium as Ba	2.2	4.8	< 0.02	< 0.1	20	100	300
DETS 2306 Cadmium as Cd	< 0.030	< 0.030	< 0.004	< 0.02	0.04	1	5
DETS 2306 Chromium as Cr	0.48	0.75	< 0.02	< 0.1	0.5	10	70
DETS 2306 Copper as Cu	1.4	1.9	< 0.004	< 0.02	2	50	100
DETS 2306 Mercury as Hg	< 0.010	< 0.010	< 0.0004	< 0.002	0.01	0.2	2
DETS 2306 Molybdenum as Mo	< 1.1	< 1.1	< 0.02	< 0.1	0.5	10	30
DETS 2306 Nickel as Ni	< 0.50	< 0.50	< 0.02	< 0.1	0.4	10	40
DETS 2306 Lead as Pb	0.5	0.38	< 0.01	< 0.05	0.5	10	50
DETS 2306 Antimony as Sb	< 0.17	1.9	< 0.01	< 0.05	0.06	0.7	5
DETS 2306 Selenium as Se	< 0.25	< 0.25	< 0.006	< 0.03	0.1	0.5	7
DETS 2306 Zinc as Zn	2.8	2	0.006	0.021	4	50	200
DETS 2055 Chloride as Cl	1000	410	< 20	< 100	800	15,000	25,000
DETS 2055* Fluoride as F	< 100	< 100	< 0.02	< 0.1	10	150	500
DETS 2055 Sulphate as SO4	2900	1500	< 20	< 100	1000	20,000	50,000
DETS 2009* Total Dissolved Solids	30000	25000	60	259.1	4000	60,000	100,000
DETS 2130 Phenol Index	< 100	< 100	< 0.2	< 1	1	n/a	n/a
DETS 2085 Dissolved Organic Carbon	< 2000	< 2000	< 10	< 50	500	800	1000

Additional Information		
DETS 2008 pH	6.8	7.8
DETS 2009 Conductivity uS/cm	43.1	35.0
* Temperature*	22.0	21.0

Mass of Sample Kg*	0.120
Mass of dry Sample Kg*	0.119
Stage 1	
Volume of Leachant L2*	0.236
Volume of Eluate VE1*	0.215
Stage 2	
Volume of Leachant L8*	0.949
Volume of Eluate VE2*	0.919

TBE - To Be Evaluated  
SNRHW - Stable Non-Reactive  
Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. DETS does not accept responsibility for errors or omissions. Values are correct at time of issue.

\* DETS are accredited for the testing of leachates and not the leachate preparation stage which is unaccredited.

## WASTE ACCEPTANCE CRITERIA TESTING ANALYTICAL REPORT

Our Ref 21-14075  
Client Ref N051  
Contract Title Kildonan Street  
Sample Id CP102 E2 0.50

Sample Numbers 1871145 1871156 1871157  
Date Analysed 12/07/2021

Test Results On Waste		
Determinand and Method Reference	Units	Result
DETS 2084# Total Organic Carbon	%	1.5
DETS 2003# Loss On Ignition	%	1.8
DETS 3321# BTEX	mg/kg	< 0.04
DETS 3401# PCBs (7 congeners)	mg/kg	< 0.01
DETS 3311# TPH (C10 - C40)	mg/kg	< 10
DETS 3301 PAHs	mg/kg	< 1.6
DETS 2008# pH	pH Units	9.6
DETS 2073* Acid Neutralisation Capacity (pH4)	mol/kg	< 1.0
DETS 2073* Acid Neutralisation Capacity (pH7)	mol/kg	< 1.0

WAC Limit Values		
Inert Waste	SNRHW	Hazardous Waste
3	5	6
n/a	n/a	10
6	n/a	n/a
1	n/a	n/a
500	n/a	n/a
100	n/a	n/a
n/a	>6	n/a
n/a	TBE	TBE
n/a	TBE	TBE

Test Results On Leachate				
Determinand and Method Reference	Conc in Eluate ug/l		Amount Leached* mg/kg	
	2:1	8:1	LS2	LS10
DETS 2306 Arsenic as As	4.5	1.8	0.009	0.023
DETS 2306 Barium as Ba	28	6.7	0.06	0.1
DETS 2306 Cadmium as Cd	< 0.030	< 0.030	< 0.004	< 0.02
DETS 2306 Chromium as Cr	3.7	0.57	< 0.02	< 0.1
DETS 2306 Copper as Cu	4.1	1.6	0.008	0.02
DETS 2306 Mercury as Hg	0.014	< 0.010	< 0.0004	< 0.002
DETS 2306 Molybdenum as Mo	4.4	< 1.1	< 0.02	< 0.1
DETS 2306 Nickel as Ni	1.5	< 0.50	< 0.02	< 0.1
DETS 2306 Lead as Pb	6.6	1.2	0.01	< 0.05
DETS 2306 Antimony as Sb	0.69	0.26	< 0.01	< 0.05
DETS 2306 Selenium as Se	1.4	0.28	< 0.006	< 0.03
DETS 2306 Zinc as Zn	9.7	2.2	0.019	0.035
DETS 2055 Chloride as Cl	6200	730	< 20	< 100
DETS 2055* Fluoride as F	360	< 100	0.72	0.63
DETS 2055 Sulphate as SO4	41000	2900	82	< 100
DETS 2009* Total Dissolved Solids	170000	43000	340	652.8
DETS 2130 Phenol Index	< 100	< 100	< 0.2	< 1
DETS 2085 Dissolved Organic Carbon	< 2000	< 2000	< 10	< 50

WAC Limit Values		
Limit values for LS10 Leachate		
Inert Waste	SNRHW	Hazardous Waste
0.5	2	25
20	100	300
0.04	1	5
0.5	10	70
2	50	100
0.01	0.2	2
0.5	10	30
0.4	10	40
0.5	10	50
0.06	0.7	5
0.1	0.5	7
4	50	200
800	15,000	25,000
10	150	500
1000	20,000	50,000
4000	60,000	100,000
1	n/a	n/a
500	800	1000

### Additional Information

DETS 2008 pH	7.2	8.6
DETS 2009 Conductivity uS/cm	238.0	62.0
* Temperature*	22.0	21.0

Mass of Sample Kg*	0.130
Mass of dry Sample Kg*	0.121

### Stage 1

Volume of Leachant L2*	0.232
Volume of Eluate VE1*	0.212

### Stage 2

Volume of Leachant L8*	0.967
Volume of Eluate VE2*	0.916

**Disclaimer:** The WAC limit values are provided for guidance only. DETS does not accept responsibility for errors or omissions. Values are correct at time of issue.

\* DETS are accredited for the testing of leachates and not the leachate preparation stage which is unaccredited.



## Information in Support of the Analytical Results

Our Ref 21-14075  
 Client Ref N051  
 Contract Kildonan Street

### Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
1871138	WS101 0.20 SOIL	29/06/21	GJ 250ml, PT 1L		
1871139	WS101 0.50 SOIL	29/06/21	GJ 250ml, PT 1L		
1871140	WS102 0.20 SOIL	29/06/21	GJ 250ml, PT 1L		
1871141	WS103 0.20 SOIL	29/06/21	GJ 250ml, PT 1L		
1871142	WS102 0.50 SOIL	29/06/21	GJ 250ml, PT 1L		
1871143	WS103 0.50 SOIL	29/06/21	GJ 250ml, PT 1L		
1871144	CP102 0.20 SOIL	29/06/21	GJ 250ml, PT 1L		
1871145	CP102 0.50 SOIL	29/06/21	GJ 250ml, PT 1L		
1871146	CP102 2.00 SOIL	29/06/21	GJ 250ml, PT 1L		
1871147	CP101 0.20 SOIL	29/06/21	GJ 250ml, PT 1L		
1871148	CP101 0.50 SOIL	29/06/21	GJ 250ml, PT 1L		
1871149	WS102 1.00 SOIL	29/06/21	GJ 250ml, PT 1L		
1871150	WS101 0.50 LEACHATE	29/06/21	No containers logged		Cannot evaluate
1871151	WS102 0.50 LEACHATE	29/06/21	No containers logged		Cannot evaluate
1871152	WS103 0.50 LEACHATE	29/06/21	No containers logged		Cannot evaluate
1871153	CP101 0.20 LEACHATE	29/06/21	No containers logged		Cannot evaluate
1871154	WS103 0.20 LEACHATE	29/06/21	GJ 250ml, PT 1L		
1871155	WS103 0.20 LEACHATE	29/06/21	GJ 250ml, PT 1L		
1871156	CP102 0.50 LEACHATE	29/06/21	GJ 250ml, PT 1L		
1871157	CP102 0.50 LEACHATE	29/06/21	GJ 250ml, PT 1L		

Key: G-Glass P-Plastic J-Jar T-Tub

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

### Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425µm sieve, in accordance with BS1377.

Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.

The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

### Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

End of Report



KILDONAN ST  
COATBRIDGE

NS 76 NW

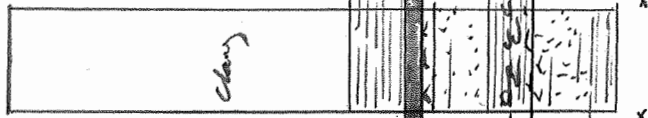
Aitken M051  
(Per G3 consultancy)

July 2021

RC102



RC101



0M

10

20

30

40

ELL

CAMBULLANG  
MARBLE

est PYOTSHAW

est MAIN

No fluid loss recorded

F.C. BLACK  
13/9/21

## **Appendix B**

### Sampling Protocols



## **SAMPLING PROTOCOL**

The site investigations generally followed the procedures outlined in the available guidance (BS 5930:1999 'Code of Practice for Site Investigations' and BS 10175:2001 'Investigation of Potentially Contaminated Land').

### **Trial Pitting**

The trial excavations are undertaken by a mechanical excavator and positioned across the site to provide a broad coverage of the site area. The excavations are directed and supervised by an engineering geologist who recorded the properties of the various strata encountered. The soils are described in accordance with BS 5930:1999, generally including composition, strength, colour, density, odour and any other notable features.

### **Boreholes**

#### *Soils*

Soils boring is generally undertaken using the cable percussion method of drilling, although alternative methods are available, and typically utilised when access constraints are present.

In-situ sampling and geotechnical testing is undertaken at regular intervals as the bores are advanced.

Gas/groundwater standpipes installed within the bores generally comprise 50mm diameter slotted polythene pipe placed to the specified depth, typically with a 1m length of plain polythene placed above. The hole is then backfilled with an appropriate gravel surrounding the response zone and a bentonite and cement seal placed around the pipe at the surface. A gas valve is placed in the top of the installation, with a metal cover placed over the installation to prevent damage or disturbance. The installations allow monitoring of groundwater depths and gaseous conditions, and also permit groundwater sampling.

#### *Rock*

Rotary bores were employed to extend the investigation beyond the limit of the soils bores into the hard formation. Core drilling recovers continuous intact samples, while open hole methods provide fast effective penetration.

The open hole bores are drilled at nominal 125 mm diameter, using water flush techniques. The drilling foreman assesses the rock chippings that are returned to the surface and records the general colour and odour in order to identify the rock type. The presence, or otherwise, of any broken ground and approximate depth of each notable change in rock strata is also noted.

### **Soil Infiltration Tests**

Soakaways tests are carried out in accordance with BRE Digest 365. A trial pit of sufficient size is excavated to represent a section of the design soakaway. The trial pit should be excavated to the same depth as anticipated in the full size soakaway, typically 1.5m to 2.5m and should be approximately 0.3m to 1.0m wide and 1.0m to 3.0m long with vertical sides.



The pit is filled to the maximum effective depth and the water level and time from filling are recorded, at sufficiently close intervals to clearly define water level versus time. This is repeated three times to represent soil moisture conditions typical of the site when the soakaway becomes operative and should be done on the same or consecutive days. The infiltration rate is calculated from the time taken for the water level to fall from 75% to 25% effective storage depth.

### **Soil Sampling**

The sampling regime for the recovery of samples was generally in accordance with BS 10175:2001.

Disturbed representative soil samples of approximately 1kg weight are obtained and placed in a clean sealed appropriate container supplied by the testing laboratory. Sampling is undertaken at regular intervals, including a sample from each stratum. Bulk samples are also obtained from the boring. The samples are labelled with depth, number and location to allow identification for subsequent analysis. Potentially contaminated samples are labelled as hazardous where appropriate.

Undisturbed samples of cohesive materials are also obtained from the bores, where possible. The sample tube is sealed with wax and fitted with plastic end caps.

Chain of custody documentation accompanied the samples during transit from the contractor's store to the testing laboratory. All samples are stored appropriately and analysed without undue delay.

### **Groundwater Sampling**

Any groundwater observed in sufficient quantities within the trial excavations was sampled.

Where possible, groundwater samples were recovered from the installations placed within the bores. Prior to sampling, the well was developed and purged of the appropriate volume of water. Samples were collected into clean containers and labelled accordingly.

### **Gas / Groundwater Monitoring**

Ground gases (carbon dioxide, methane, oxygen, hydrogen sulphide and nitrogen) are monitored from the installations utilising a portable LMS gas monitor and flow meter. The atmospheric pressure is also recorded during each monitoring. Following the gas monitoring, groundwater depths are monitored using a dip meter.

### **Analytical Procedures**

The scope of chemical testing was based on the interpreted origin of the soils encountered in association with their description. This is consistent with best practice under current contaminated land guidance. Analytical procedures adopted during the chemical analyses, carried out on our behalf by the testing laboratory, conform to recognised practices, allowing the award of NAMAS accreditation. The laboratory also participates in the MCERTS scheme.

## **Appendix C**

### Contamination Risk Assessment Screening Guidelines

# G3 RISK ASSESSMENT CRITERIA



## Case 1

### Residential End Use with Homegrown Produce

Residential with Homegrown Produce	Determinant	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Primary Data Source
		1% SOM	2.5% SOM	6% SOM	
PAH	Acenaphthene	210	510	1100	LQM/CIEH S4UL
	Acenaphthylene	170	420	920	LQM/CIEH S4UL
	Anthracene	2400	5400	11000	LQM/CIEH S4UL
	Benzo(a)anthracene	7.2	11	13	LQM/CIEH S4UL
	Benzo(a)pyrene	2.2	2.7	3	LQM/CIEH S4UL
	Benzo(b)fluoranthene	2.3	3.3	3.7	LQM/CIEH S4UL
	Benzo(ghi)perylene	320	340	350	LQM/CIEH S4UL
	Benzo(k)fluoranthene	77	93	100	LQM/CIEH S4UL
	Chrysene	15	22	27	LQM/CIEH S4UL
	Dibenzo(ah)anthracene	0.24	0.28	0.30	LQM/CIEH S4UL
	Fluoranthene	280	560	890	LQM/CIEH S4UL
	Fluorene	170	400	860	LQM/CIEH S4UL
	Indeno(123-cd)pyrene	27	36	41	LQM/CIEH S4UL
	Naphthalene	2.3	5.6	13	LQM/CIEH S4UL
	Phenanthrene	95	220	440	LQM/CIEH S4UL
	Pyrene	620	1200	2000	LQM/CIEH S4UL
Other Organics	Phenol	280	550	1100	LQM/CIEH S4UL
Metals	Arsenic	37	37	37	LQM/CIEH S4UL
	Beryllium	1.7	1.7	1.7	LQM/CIEH S4UL
	Boron	290	290	290	LQM/CIEH S4UL
	Cadmium	11	11	11	LQM/CIEH S4UL
	Chromium (III)	910	910	910	LQM/CIEH S4UL
	Chromium (VI)	21	21	21	LQM/CIEH S4UL
	Copper	2400	2400	2400	LQM/CIEH S4UL
	Lead	200	200	200	LQM/CIEH S4UL
	Mercury	1.2	1.2	1.2	LQM/CIEH S4UL
	Nickel	180	180	180	LQM/CIEH S4UL
	Selenium	250	250	250	LQM/CIEH S4UL
	Vanadium	410	410	410	LQM/CIEH S4UL
	Zinc	3700	3700	3700	LQM/CIEH S4UL



# G3 RISK ASSESSMENT CRITERIA

Residential with Homegrown Produce	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Primary Data Source
	1% SOM	2.5% SOM	6% SOM	
<b>Aliphatic</b>				
EC 5-6	42	78	160	LQM/CIEH S4UL
EC >6-8	100	230	530	LQM/CIEH S4UL
EC >8-10	27	65	150	LQM/CIEH S4UL
EC >10-12	130 (48)	330 (118)	760 (283)	LQM/CIEH S4UL
EC >12-16	1100 (24)	2400 (59)	4300 (142)	LQM/CIEH S4UL
EC >16-35	65000 (8.48)	92000 (21)	110000	LQM/CIEH S4UL
EC >35-44	65000 (8.48)	92000 (21)	110000	LQM/CIEH S4UL
<b>Aromatic</b>				
EC 5-7 (benzene)	70	140	300	LQM/CIEH S4UL
EC >7-8 (toluene)	130	290	660	LQM/CIEH S4UL
EC >8-10	34	83	190	LQM/CIEH S4UL
EC >10-12	74	180	380	LQM/CIEH S4UL
EC >12-16	140	330	660	LQM/CIEH S4UL
EC >16-21	260	540	930	LQM/CIEH S4UL
EC >21-35	1100	1500	1700	LQM/CIEH S4UL
EC >35-44	1100	1500	1700	LQM/CIEH S4UL
<b>Aliphatic and Aromatic</b>				
EC >44-70	1600	1800	1900	LQM/CIEH S4UL
<b>BTEX</b>				
Benzene	0.087	0.17	0.37	LQM/CIEH S4UL
Toluene	130	290	660	LQM/CIEH S4UL
Ethylbenzene	47	110	260	LQM/CIEH S4UL
m/p Xylenes	56	130	310	LQM/CIEH S4UL
o Xylene	60	140	330	LQM/CIEH S4UL

SOM = Soil Organic Matter

Values in brackets indicate the solubility or vapour saturation limit where this is exceeded by the GAC

# G3 RISK ASSESSMENT CRITERIA



## Case 2 Residential End Use without Homegrown Produce

Residential without Homegrown Produce	Determinant	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Primary Data Source
		1% SOM	2.5% SOM	6% SOM	
PAH	Acenaphthene	3000	4700	6000	LQM/CIEH S4UL
	Acenaphthylene	2900	4600	6000	LQM/CIEH S4UL
	Anthracene	31000	35000	37000	LQM/CIEH S4UL
	Benzo(a)anthracene	11	14	15	LQM/CIEH S4UL
	Benzo(a)pyrene	3.2	3.2	3.2	LQM/CIEH S4UL
	Benzo(b)fluoranthene	3.9	4	4	LQM/CIEH S4UL
	Benzo(ghi)perylene	360	360	360	LQM/CIEH S4UL
	Benzo(k)fluoranthene	110	110	110	LQM/CIEH S4UL
	Chrysene	30	31	32	LQM/CIEH S4UL
	Dibenzo(ah)anthracene	0.31	0.32	0.32	LQM/CIEH S4UL
	Fluoranthene	1500	1600	1600	LQM/CIEH S4UL
	Fluorene	2800	3800	4500	LQM/CIEH S4UL
	Indeno(123-cd)pyrene	45	46	46	LQM/CIEH S4UL
	Naphthalene	2.3	5.6	13	LQM/CIEH S4UL
	Phenanthrene	1300	1500	1500	LQM/CIEH S4UL
	Pyrene	88	210	480	LQM/CIEH S4UL
Other Organics	Phenol	750	1300	2300	LQM/CIEH S4UL
Metals	Arsenic	40	40	40	LQM/CIEH S4UL
	Beryllium	1.7	1.7	1.7	LQM/CIEH S4UL
	Boron	11000	11000	11000	LQM/CIEH S4UL
	Cadmium	85	85	85	LQM/CIEH S4UL
	Chromium (III)	910	910	910	LQM/CIEH S4UL
	Chromium (VI)	21	21	21	LQM/CIEH S4UL
	Copper	7100	7100	7100	LQM/CIEH S4UL
	Lead	310	310	310	LQM/CIEH S4UL
	Mercury	1.2	1.2	1.2	LQM/CIEH S4UL
	Nickel	180	180	180	LQM/CIEH S4UL
	Selenium	430	430	430	LQM/CIEH S4UL
	Vanadium	1200	1200	1200	LQM/CIEH S4UL
	Zinc	40000	40000	40000	LQM/CIEH S4UL

# G3 RISK ASSESSMENT CRITERIA

Residential without Homegrown Produce	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Primary Data Source
	1% SOM	2.5% SOM	6% SOM	
<b>Aliphatic</b>				
EC 5-6	42	78	160	LQM/CIEH S4UL
EC >6-8	100	230	530	LQM/CIEH S4UL
EC >8-10	27	65	150	LQM/CIEH S4UL
EC >10-12	130 (48)	330 (118)	760 (283)	LQM/CIEH S4UL
EC >12-16	1100 (24)	2400 (59)	4300 (142)	LQM/CIEH S4UL
EC >16-35	65000 (8.48)	92000 (21)	110000	LQM/CIEH S4UL
EC >35-44	65000 (8.48)	92000 (21)	110000	LQM/CIEH S4UL
<b>Aromatic</b>				
EC 5-7 (benzene)	370	690	1400	LQM/CIEH S4UL
EC >7-8 (toluene)	860	1800	3900	LQM/CIEH S4UL
EC >8-10	47	110	270	LQM/CIEH S4UL
EC >10-12	250	590	1200	LQM/CIEH S4UL
EC >12-16	1800	2300 (419)	2500	LQM/CIEH S4UL
EC >16-21	1900	1900	1900	LQM/CIEH S4UL
EC >21-35	1900	1900	1900	LQM/CIEH S4UL
EC >35-44	1900	1900	1900	LQM/CIEH S4UL
<b>Aliphatic and Aromatic</b>				
EC >44-70	1900	1900	1900	LQM/CIEH S4UL
<b>BTEX</b>				
Benzene	0.38	0.70	1.4	LQM/CIEH S4UL
Toluene	880	1900	3900	LQM/CIEH S4UL
Ethylbenzene	83	190	440	LQM/CIEH S4UL
m/p Xylenes	79	180	430	LQM/CIEH S4UL
o Xylene	88	210	480	LQM/CIEH S4UL

SOM = Soil Organic Matter

Values in brackets indicate the solubility or vapour saturation limit where this is exceeded by the GAC



# G3 RISK ASSESSMENT CRITERIA



## Case 3 Allotments

Allotments	Determinant	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Primary Data Source
		1% SOM	2.5% SOM	6% SOM	
PAH	Acenaphthene	34	85	200	LQM/CIEH S4UL
	Acenaphthylene	28	69	160	LQM/CIEH S4UL
	Anthracene	380	950	2200	LQM/CIEH S4UL
	Benzo(a)anthracene	2.9	6.5	13	LQM/CIEH S4UL
	Benzo(a)pyrene	0.97	2	3.5	LQM/CIEH S4UL
	Benzo(b)fluoranthene	0.99	2.1	3.9	LQM/CIEH S4UL
	Benzo(ghi)perylene	290	470	640	LQM/CIEH S4UL
	Benzo(k)fluoranthene	75	130	190	LQM/CIEH S4UL
	Chrysene	4.1	9.4	19	LQM/CIEH S4UL
	Dibenzo(ah)anthracene	0.14	0.27	0.43	LQM/CIEH S4UL
	Fluoranthene	52	130	290	LQM/CIEH S4UL
	Fluorene	27	67	160	LQM/CIEH S4UL
	Indeno(123-cd)pyrene	9.5	21	39	LQM/CIEH S4UL
	Naphthalene	4.1	10	24	LQM/CIEH S4UL
	Phenanthrene	15	38	90	LQM/CIEH S4UL
	Pyrene	110	270	620	LQM/CIEH S4UL
Other Organics	Phenol	66	140	280	LQM/CIEH S4UL
Metals	Arsenic	43	43	43	LQM/CIEH S4UL
	Beryllium	35	35	35	LQM/CIEH S4UL
	Boron	45	45	45	LQM/CIEH S4UL
	Cadmium	1.9	1.9	1.9	LQM/CIEH S4UL
	Chromium (III)	18000	18000	18000	LQM/CIEH S4UL
	Chromium (VI)	170	170	170	LQM/CIEH S4UL
	Copper	520	520	520	LQM/CIEH S4UL
	Lead	80	80	80	LQM/CIEH S4UL
	Mercury	21	21	21	LQM/CIEH S4UL
	Nickel	230	230	230	LQM/CIEH S4UL
	Selenium	88	88	88	LQM/CIEH S4UL
	Vanadium	91	91	91	LQM/CIEH S4UL
	Zinc	620	620	620	LQM/CIEH S4UL

# G3 RISK ASSESSMENT CRITERIA

Allotments	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Primary Data Source
	1% SOM	2.5% SOM	6% SOM	
<b>Aliphatic</b>				
EC 5-6	730	1700	3900	LQM/CIEH S4UL
EC >6-8	2300	5600	13000	LQM/CIEH S4UL
EC >8-10	320	770	1700	LQM/CIEH S4UL
EC >10-12	2200	4400	7300	LQM/CIEH S4UL
EC >12-16	11000	13000	13000	LQM/CIEH S4UL
EC >16-35	260000	270000	270000	LQM/CIEH S4UL
EC >35-44	260000	270000	270000	LQM/CIEH S4UL
<b>Aromatic</b>				
EC 5-7 (benzene)	13	27	57	LQM/CIEH S4UL
EC >7-8 (toluene)	22	51	120	LQM/CIEH S4UL
EC >8-10	8.6	21	51	LQM/CIEH S4UL
EC >10-12	13	31	74	LQM/CIEH S4UL
EC >12-16	23	57	130	LQM/CIEH S4UL
EC >16-21	46	110	260	LQM/CIEH S4UL
EC >21-35	370	820	1600	LQM/CIEH S4UL
EC >35-44	370	820	1600	LQM/CIEH S4UL
<b>Aliphatic and Aromatic</b>				
EC >44-70	1200	2100	3000	LQM/CIEH S4UL
<b>BTEX</b>				
Benzene	0.017	0.034	0.075	LQM/CIEH S4UL
Toluene	22	51	120	LQM/CIEH S4UL
Ethylbenzene	16	39	91	LQM/CIEH S4UL
m/p Xylenes	29	69	160	LQM/CIEH S4UL
o Xylene	28	67	160	LQM/CIEH S4UL

SOM = Soil Organic Matter

Values in brackets indicate the solubility or vapour saturation limit where this is exceeded by the GAC

# G3 RISK ASSESSMENT CRITERIA



## Case 4

### General Open Space (adjacent to dwellings)

General Open Space	Determinant	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Primary Data Source
		1% SOM	2.5% SOM	6% SOM	
PAH	Acenaphthene	15000	15000	15000	LQM/CIEH S4UL
	Acenaphthylene	15000	15000	15000	LQM/CIEH S4UL
	Anthracene	74000	74000	74000	LQM/CIEH S4UL
	Benzo(a)anthracene	29	29	29	LQM/CIEH S4UL
	Benzo(a)pyrene	5.7	5.7	5.7	LQM/CIEH S4UL
	Benzo(b)fluoranthene	7.1	7.1	7.1	LQM/CIEH S4UL
	Benzo(ghi)perylene	640	640	640	LQM/CIEH S4UL
	Benzo(k)fluoranthene	190	190	190	LQM/CIEH S4UL
	Chrysene	57	57	57	LQM/CIEH S4UL
	Dibenzo(ah)anthracene	0.57	0.57	0.57	LQM/CIEH S4UL
	Fluoranthene	3100	3100	3100	LQM/CIEH S4UL
	Fluorene	9900	9900	9900	LQM/CIEH S4UL
	Indeno(123-cd)pyrene	82	82	82	LQM/CIEH S4UL
	Naphthalene	4900	4900	4900	LQM/CIEH S4UL
	Phenanthrene	3100	3100	3100	LQM/CIEH S4UL
	Pyrene	7400	7400	7400	LQM/CIEH S4UL
Other Organics	Phenol	760	1500	3200	LQM/CIEH S4UL
Metals	Arsenic	79	79	79	LQM/CIEH S4UL
	Beryllium	2.2	2.2	2.2	LQM/CIEH S4UL
	Boron	21000	21000	21000	LQM/CIEH S4UL
	Cadmium	120	120	120	LQM/CIEH S4UL
	Chromium (III)	1500	1500	1500	LQM/CIEH S4UL
	Chromium (VI)	23	23	23	LQM/CIEH S4UL
	Copper	12000	12000	12000	LQM/CIEH S4UL
	Lead	630	630	630	LQM/CIEH S4UL
	Mercury	16	16	16	LQM/CIEH S4UL
	Nickel	230	230	230	LQM/CIEH S4UL
	Selenium	1100	1100	1100	LQM/CIEH S4UL
	Vanadium	2000	2000	2000	LQM/CIEH S4UL
	Zinc	81000	81000	81000	LQM/CIEH S4UL



# G3 RISK ASSESSMENT CRITERIA

General Open Space	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Primary Data Source
	1% SOM	2.5% SOM	6% SOM	
<b>Aliphatic</b>				
EC 5-6	570000 (304)	590000	600000	LQM/CIEH S4UL
EC >6-8	600000	610000	620000	LQM/CIEH S4UL
EC >8-10	13000	13000	13000	LQM/CIEH S4UL
EC >10-12	13000	13000	13000	LQM/CIEH S4UL
EC >12-16	13000	13000	13000	LQM/CIEH S4UL
EC >16-35	250000	250000	250000	LQM/CIEH S4UL
EC >35-44	250000	250000	250000	LQM/CIEH S4UL
<b>Aromatic</b>				
EC 5-7 (benzene)	56000	56000	56000	LQM/CIEH S4UL
EC >7-8 (toluene)	56000	56000	56000	LQM/CIEH S4UL
EC >8-10	5000	5000	5000	LQM/CIEH S4UL
EC >10-12	5000	5000	5000	LQM/CIEH S4UL
EC >12-16	5100	5100	5000	LQM/CIEH S4UL
EC >16-21	3800	3800	3800	LQM/CIEH S4UL
EC >21-35	3800	3800	3800	LQM/CIEH S4UL
EC >35-44	3800	3800	3800	LQM/CIEH S4UL
<b>Aliphatic and Aromatic</b>				
EC >44-70	3800	3800	3800	LQM/CIEH S4UL
<b>BTEX</b>				
Benzene	72	72	73	LQM/CIEH S4UL
Toluene	56000	56000	56000	LQM/CIEH S4UL
Ethylbenzene	24000	24000	25000	LQM/CIEH S4UL
m/p Xylenes	41000	42000	43000	LQM/CIEH S4UL
o Xylene	41000	42000	43000	LQM/CIEH S4UL

SOM = Soil Organic Matter

Values in brackets indicate the solubility or vapour saturation limit where this is exceeded by the GAC

# G3 RISK ASSESSMENT CRITERIA



## Case 5 Commercial End Use

Commercial	Determinant	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Primary Data Source
		1% SOM	2.5% SOM	6% SOM	
PAH	Acenaphthene	29000	30000	30000	LQM/CIEH S4UL
	Acenaphthylene	29000	30000	30000	LQM/CIEH S4UL
	Anthracene	150000	150000	150000	LQM/CIEH S4UL
	Benzo(a)anthracene	49	56	62	LQM/CIEH S4UL
	Benzo(a)pyrene	11	12	13	LQM/CIEH S4UL
	Benzo(b)fluoranthene	13	15	16	LQM/CIEH S4UL
	Benzo(ghi)perylene	1400	1500	1600	LQM/CIEH S4UL
	Benzo(k)fluoranthene	370	410	440	LQM/CIEH S4UL
	Chrysene	93	110	120	LQM/CIEH S4UL
	Dibenzo(ah)anthracene	1.1	1.3	1.4	LQM/CIEH S4UL
	Fluoranthene	6300	6300	6300	LQM/CIEH S4UL
	Fluorene	20000	20000	20000	LQM/CIEH S4UL
	Indeno(123-cd)pyrene	150	170	180	LQM/CIEH S4UL
	Naphthalene	1200	1900	3000	LQM/CIEH S4UL
	Phenanthrene	6200	6200	6200	LQM/CIEH S4UL
	Pyrene	15000	15000	15000	LQM/CIEH S4UL
Other Organics	Phenol	760	1500	3200	LQM/CIEH S4UL
Metals	Arsenic	640	640	640	LQM/CIEH S4UL
	Beryllium	12	12	12	LQM/CIEH S4UL
	Boron	240000	240000	240000	LQM/CIEH S4UL
	Cadmium	190	190	190	LQM/CIEH S4UL
	Chromium (III)	8600	8600	8600	LQM/CIEH S4UL
	Chromium (VI)	49	49	49	LQM/CIEH S4UL
	Copper	68000	68000	68000	LQM/CIEH S4UL
	Lead	2330	2330	2330	LQM/CIEH S4UL
	Mercury	58	58	58	LQM/CIEH S4UL
	Nickel	980	980	980	LQM/CIEH S4UL
	Selenium	12000	12000	12000	LQM/CIEH S4UL
	Vanadium	9000	9000	9000	LQM/CIEH S4UL
	Zinc	730000	730000	730000	LQM/CIEH S4UL

# G3 RISK ASSESSMENT CRITERIA



Commercial	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Primary Data Source
	1% SOM	2.5% SOM	6% SOM	
<b>Aliphatic</b>				
EC 5-6	3200 (304)	5900 (558)	12000 (1150)	LQM/CIEH S4UL
EC >6-8	7800 (144)	17000 (322)	40000 (736)	LQM/CIEH S4UL
EC >8-10	2000 (78)	4800 (190)	11000 (451)	LQM/CIEH S4UL
EC >10-12	9700 (48)	23000 (118)	47000 (283)	LQM/CIEH S4UL
EC >12-16	59000 (24)	82000 (59)	90000 (142)	LQM/CIEH S4UL
EC >16-35	1600000	1700000	1800000	LQM/CIEH S4UL
EC >35-44	1600000	1700000	1800000	LQM/CIEH S4UL
<b>Aromatic</b>				
EC 5-7 (benzene)	26000 (1220)	46000 (2260)	86000 (4710)	LQM/CIEH S4UL
EC >7-8 (toluene)	56000 (869)	110000 (1920)	180000 (4360)	LQM/CIEH S4UL
EC >8-10	3500 (613)	8100 (1500)	17000 (3580)	LQM/CIEH S4UL
EC >10-12	16000 (364)	28000 (899)	34000 (2150)	LQM/CIEH S4UL
EC >12-16	36000 (169)	37000	38000	LQM/CIEH S4UL
EC >16-21	28000	28000	28000	LQM/CIEH S4UL
EC >21-35	28000	8000	28000	LQM/CIEH S4UL
EC >35-44	28000	28000	28000	LQM/CIEH S4UL
<b>Aliphatic and Aromatic</b>				
EC >44-70	28000	28000	28000	LQM/CIEH S4UL
<b>BTEX</b>				
Benzene	27	47	90	LQM/CIEH S4UL
Toluene	56000	110000	180000	LQM/CIEH S4UL
Ethylbenzene	5700	13000	27000	LQM/CIEH S4UL
m/p Xylenes	5900	14000	30000	LQM/CIEH S4UL
o Xylene	17000	24000	33000	LQM/CIEH S4UL

SOM = Soil Organic Matter

Values in brackets indicate the vapour saturation limit where this is exceeded by the GAC or SGV

**Appendix D**

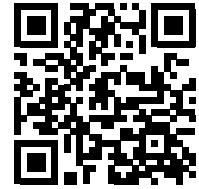
Hazwasteonline Summary Sheet



# Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

- a) understand the origin of the waste
- b) select the correct List of Waste code(s)
- c) confirm that the list of determinands, results and sampling plan are fit for purpose
- d) select and justify the chosen metal species (Appendix B)
- e) correctly apply moisture correction and other available corrections
- f) add the meta data for their user-defined substances (Appendix A)
- g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



VPJFE-U5645-L2EJX

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

## Job name

J5194 Kildonan Street

## Description/Comments

## Project

J5194

## Site

Kildonan Street

## Classified by

Name: **Jennifer McCall Walker** Company: **G3 Consulting Engineers Limited**  
 Date: **05 Aug 2021 09:25 GMT**  
 Telephone:

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

<b>HazWasteOnline™ Certification:</b>	-
<b>Course</b>	<b>Date</b>
Hazardous Waste Classification	-

## Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS101 0.2m		Hazardous	HP 7, HP 11	2
2	WS101 0.5m		Non Hazardous		4
3	WS102 0.2m		Non Hazardous		6
4	WS102 0.5m		Non Hazardous		8
5	WS103 0.5m		Non Hazardous		10
6	CP102 2.0m		Non Hazardous		12
7	CP101 0.2m		Non Hazardous		14
8	CP101 0.5m		Non Hazardous		16
9	WS102 1.0m		Non Hazardous		18

## Related documents

#	Name	Description
1	Site Investigation Template	waste stream template used to create this Job

## Report


Created by: Jennifer McCall Walker

Created date: 05 Aug 2021 09:25 GMT

## Appendices

	Page
Appendix A: Classifier defined and non CLP determinands	20
Appendix B: Rationale for selection of metal species	21
Appendix C: Version	21

## Classification of sample: WS101 0.2m

 **Hazardous Waste**  
Classified as **17 05 03 \***  
in the List of Waste

## Sample details

Sample name:	LoW Code:
<b>WS101 0.2m</b>	Chapter:
	Entry:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	17 05 03 * (Soil and stones containing hazardous substances)

## Hazard properties

**HP 7: Carcinogenic** "waste which induces cancer or increases its incidence"

Hazard Statements hit:

**Carc. 1B; H350** "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.14%)

**HP 11: Mutagenic** "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

**Muta. 1B; H340** "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.14%)

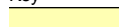




## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				2	mg/kg	1.32	2.641	mg/kg	0.000264 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium sulfide }			1	0.1	mg/kg	1.285	0.129	mg/kg	0.00001 %		
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
		215-160-9	1308-38-9									
5	copper { copper sulphate pentahydrate }				41	mg/kg	3.929	161.091	mg/kg	0.0161 %		
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	27	mg/kg	1.56	42.115	mg/kg	0.0027 %		
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel chromate }				23	mg/kg	2.976	68.454	mg/kg	0.00685 %		
	028-035-00-7	238-766-5	14721-18-7									
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
	034-002-00-8											
10	vanadium { divanadium pentaoxide; vanadium pentoxide }				150	mg/kg	1.785	267.778	mg/kg	0.0268 %		
	023-001-00-8	215-239-8	1314-62-1									
11	zinc { zinc chromate }				91	mg/kg	2.774	252.447	mg/kg	0.0252 %		
	024-007-00-3	236-878-9	13530-65-9									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
12	•	pH			7.2 pH		7.2 pH	7.2 pH		
			PH							
13		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5							
			91-20-3							
14	•	acenaphthylene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-917-1							
			208-96-8							
15	•	acenaphthene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-469-6							
			83-32-9							
16	•	fluorene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-695-5							
			86-73-7							
17	•	phenanthrene			0.11 mg/kg		0.11 mg/kg	0.000011 %		
			201-581-5							
			85-01-8							
18	•	anthracene			0.06 mg/kg		0.06 mg/kg	0.000006 %		
			204-371-1							
			120-12-7							
19	•	fluoranthene			0.52 mg/kg		0.52 mg/kg	0.000052 %		
			205-912-4							
			206-44-0							
20	•	pyrene			0.47 mg/kg		0.47 mg/kg	0.000047 %		
			204-927-3							
			129-00-0							
21		benzo[a]anthracene			0.14 mg/kg		0.14 mg/kg	0.000014 %		
		601-033-00-9	200-280-6							
			56-55-3							
22		chrysene			0.18 mg/kg		0.18 mg/kg	0.000018 %		
		601-048-00-0	205-923-4							
			218-01-9							
23		benzo[b]fluoranthene			0.3 mg/kg		0.3 mg/kg	0.00003 %		
		601-034-00-4	205-911-9							
			205-99-2							
24		benzo[k]fluoranthene			0.2 mg/kg		0.2 mg/kg	0.00002 %		
		601-036-00-5	205-916-6							
			207-08-9							
25		benzo[a]pyrene; benzo[def]chrysene			0.44 mg/kg		0.44 mg/kg	0.000044 %		
		601-032-00-3	200-028-5							
			50-32-8							
26	•	indeno[123-cd]pyrene			0.18 mg/kg		0.18 mg/kg	0.000018 %		
			205-893-2							
			193-39-5							
27		dibenz[a,h]anthracene			0.04 mg/kg		0.04 mg/kg	0.000004 %		
		601-041-00-2	200-181-8							
			53-70-3							
28	•	benzo[ghi]perylene			0.25 mg/kg		0.25 mg/kg	0.000025 %		
			205-883-8							
			191-24-2							
29	•	confirm TPH has NOT arisen from diesel or petrol			<input checked="" type="checkbox"/>					
30	•	TPH (C6 to C40) petroleum group			1400 mg/kg		1400 mg/kg	0.14 %		
			TPH							
								Total:	0.221 %	

## Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<b>&lt;LOD</b>	Below limit of detection
<b>ND</b>	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

**Force this Hazardous property to non hazardous because** The material being tested is soil, and no free product was observed in the samples recovered. The hazard property therefore does not apply.


Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.14%)

## Classification of sample: WS101 0.5m

 **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

## Sample details

Sample name:	LoW Code:	
<b>WS101 0.5m</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

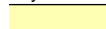



## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				2	mg/kg	1.32	2.641	mg/kg	0.000264 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.7	mg/kg	3.22	2.254	mg/kg	0.000225 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium sulfide }			1	0.1	mg/kg	1.285	0.129	mg/kg	0.00001 %		
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
		215-160-9	1308-38-9									
5	copper { copper sulphate pentahydrate }				24	mg/kg	3.929	94.297	mg/kg	0.00943 %		
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	22	mg/kg	1.56	34.316	mg/kg	0.0022 %		
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel chromate }				14	mg/kg	2.976	41.668	mg/kg	0.00417 %		
	028-035-00-7	238-766-5	14721-18-7									
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
	034-002-00-8											
10	vanadium { divanadium pentaoxide; vanadium pentoxide }				42	mg/kg	1.785	74.978	mg/kg	0.0075 %		
	023-001-00-8	215-239-8	1314-62-1									
11	zinc { zinc chromate }				64	mg/kg	2.774	177.545	mg/kg	0.0178 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.7	pH		7.7	pH	7.7 pH		
			PH									
13	naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
14	acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8									
15	acenaphthene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9									
16	fluorene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7									
17	phenanthrene				0.09	mg/kg		0.09	mg/kg	0.000009 %		
		201-581-5	85-01-8									
18	anthracene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7									
19	fluoranthene				0.39	mg/kg		0.39	mg/kg	0.000039 %		
		205-912-4	206-44-0									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
20	pyrene	204-927-3	129-00-0		0.35 mg/kg		0.35 mg/kg	0.000035 %		
21	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.13 mg/kg		0.13 mg/kg	0.000013 %		
22	chrysene	601-048-00-0	205-923-4	218-01-9	0.11 mg/kg		0.11 mg/kg	0.000011 %		
23	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.17 mg/kg		0.17 mg/kg	0.000017 %		
24	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.13 mg/kg		0.13 mg/kg	0.000013 %		
25	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.33 mg/kg		0.33 mg/kg	0.000033 %		
26	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
28	benzo[ghi]perylene	205-883-8	191-24-2		0.11 mg/kg		0.11 mg/kg	0.000011 %		
29	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
30	TPH (C6 to C40) petroleum group		TPH		93 mg/kg		93 mg/kg	0.0093 %		
Total:								0.0527 %		

## Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

**Force this Hazardous property to non hazardous because** The material being tested is soil, and no free product was observed in the samples recovered. The hazard property therefore does not apply.


Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0093%)

## Classification of sample: WS102 0.2m

 **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

## Sample details

Sample name: <b>WS102 0.2m</b>	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

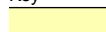



## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				1.3 mg/kg	1.32	1.716 mg/kg	0.000172 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium sulfide }			1	<0.1 mg/kg	1.285	<0.129 mg/kg	<0.00001 %		<LOD
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	19 mg/kg	0.0019 %		
		215-160-9	1308-38-9							
5	copper { copper sulphate pentahydrate }				78 mg/kg	3.929	306.466 mg/kg	0.0306 %		
	029-023-00-4	231-847-6	7758-99-8							
6	lead { lead chromate }			1	6.6 mg/kg	1.56	10.295 mg/kg	0.00066 %		
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				45 mg/kg	2.976	133.932 mg/kg	0.0134 %		
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
	034-002-00-8									
10	vanadium { divanadium pentaoxide; vanadium pentoxide }				260 mg/kg	1.785	464.148 mg/kg	0.0464 %		
	023-001-00-8	215-239-8	1314-62-1							
11	zinc { zinc chromate }				93 mg/kg	2.774	257.996 mg/kg	0.0258 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				8.7 pH		8.7 pH	8.7 pH		
			PH							
13	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
14	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
15	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
16	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
17	phenanthrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		201-581-5	85-01-8							
18	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
19	fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-912-4	206-44-0							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
20	pyrene	204-927-3	129-00-0		0.07 mg/kg		0.07 mg/kg	0.000007 %		
21	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.03 mg/kg		0.03 mg/kg	0.000003 %		
22	chrysene	601-048-00-0	205-923-4	218-01-9	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
23	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.12 mg/kg		0.12 mg/kg	0.000012 %		
24	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.05 mg/kg		0.05 mg/kg	0.000005 %		
25	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.2 mg/kg		0.2 mg/kg	0.00002 %		
26	indeno[123-cd]pyrene	205-893-2	193-39-5		0.07 mg/kg		0.07 mg/kg	0.000007 %		
27	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.04 mg/kg		0.04 mg/kg	0.000004 %		
28	benzo[ghi]perylene	205-883-8	191-24-2		0.1 mg/kg		0.1 mg/kg	0.00001 %		
29	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
30	TPH (C6 to C40) petroleum group		TPH		560 mg/kg		560 mg/kg	0.056 %		
Total:								0.175 %		

## Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

**Force this Hazardous property to non hazardous because** The material being tested is soil, and no free product was observed in the samples recovered. The hazard property therefore does not apply.

Hazard Statements hit:


**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.056%)



## Classification of sample: WS102 0.5m

 **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

## Sample details

Sample name:	LoW Code:	
<b>WS102 0.5m</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

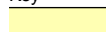



## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				9.5 mg/kg	1.32	12.543 mg/kg	0.00125 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.6 mg/kg	3.22	1.932 mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium sulfide }			1	<0.1 mg/kg	1.285	<0.129 mg/kg	<0.00001 %		<LOD
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				97 mg/kg	1.462	141.771 mg/kg	0.0142 %		
		215-160-9	1308-38-9							
5	copper { copper sulphate pentahydrate }				58 mg/kg	3.929	227.885 mg/kg	0.0228 %		
	029-023-00-4	231-847-6	7758-99-8							
6	lead { lead chromate }			1	95 mg/kg	1.56	148.182 mg/kg	0.0095 %		
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				20 mg/kg	2.976	59.525 mg/kg	0.00595 %		
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				2.8 mg/kg	1.405	3.934 mg/kg	0.000393 %		
	034-002-00-8									
10	vanadium { divanadium pentaoxide; vanadium pentoxide }				250 mg/kg	1.785	446.296 mg/kg	0.0446 %		
	023-001-00-8	215-239-8	1314-62-1							
11	zinc { zinc chromate }				74 mg/kg	2.774	205.287 mg/kg	0.0205 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.5 pH		7.5 pH	7.5 pH		
			PH							
13	naphthalene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
	601-052-00-2	202-049-5	91-20-3							
14	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
15	acenaphthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-469-6	83-32-9							
16	fluorene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		201-695-5	86-73-7							
17	phenanthrene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
		201-581-5	85-01-8							
18	anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-371-1	120-12-7							
19	fluoranthene				0.16 mg/kg		0.16 mg/kg	0.000016 %		
		205-912-4	206-44-0							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
20	pyrene				0.13 mg/kg		0.13 mg/kg	0.000013 %		
		204-927-3	129-00-0							
21	benzo[a]anthracene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		601-033-00-9	200-280-6							
22	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		601-048-00-0	205-923-4							
23	benzo[b]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		601-034-00-4	205-911-9							
24	benzo[k]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		601-036-00-5	205-916-6							
25	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		601-032-00-3	200-028-5							
26	indeno[123-cd]pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
			205-893-2							
27	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-041-00-2	200-181-8							
28	benzo[ghi]perylene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
			205-883-8							
29	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
30	TPH (C6 to C40) petroleum group				41 mg/kg		41 mg/kg	0.0041 %		
			TPH							
Total:								0.124 %		

## Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

**Force this Hazardous property to non hazardous because** The material being tested is soil, and no free product was observed in the samples recovered. The hazard property therefore does not apply.


Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0041%)

## Classification of sample: WS103 0.5m

 **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

## Sample details

Sample name:	LoW Code:	
<b>WS103 0.5m</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

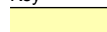



## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				4.3 mg/kg	1.32	5.677 mg/kg	0.000568 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.4 mg/kg	3.22	1.288 mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium sulfide }			1	0.1 mg/kg	1.285	0.129 mg/kg	0.00001 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15 mg/kg	1.462	21.923 mg/kg	0.00219 %		
		215-160-9	1308-38-9							
5	copper { copper sulphate pentahydrate }				75 mg/kg	3.929	294.679 mg/kg	0.0295 %		
	029-023-00-4	231-847-6	7758-99-8							
6	lead { lead chromate }			1	23 mg/kg	1.56	35.876 mg/kg	0.0023 %		
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				60 mg/kg	2.976	178.576 mg/kg	0.0179 %		
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
	034-002-00-8									
10	vanadium { divanadium pentaoxide; vanadium pentoxide }				120 mg/kg	1.785	214.222 mg/kg	0.0214 %		
	023-001-00-8	215-239-8	1314-62-1							
11	zinc { zinc chromate }				76 mg/kg	2.774	210.835 mg/kg	0.0211 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.9 pH		7.9 pH	7.9 pH		
			PH							
13	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
14	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
15	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
16	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
17	phenanthrene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
		201-581-5	85-01-8							
18	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
19	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
20	pyrene	204-927-3	129-00-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
21	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
22	chrysene	601-048-00-0	205-923-4	218-01-9	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
23	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
25	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
26	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
27	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
28	benzo[ghi]perylene	205-883-8	191-24-2		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
29	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
30	TPH (C6 to C40) petroleum group		TPH		120 mg/kg		120 mg/kg	0.012 %		
Total:								0.107 %		

## Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

**Force this Hazardous property to non hazardous because** The material being tested is soil, and no free product was observed in the samples recovered. The hazard property therefore does not apply.


Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.012%)

## Classification of sample: CP102 2.0m

 **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

## Sample details

Sample name:	LoW Code:	
<b>CP102 2.0m</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

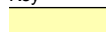



## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				3.7 mg/kg	1.32	4.885 mg/kg	0.000489 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium sulfide }			1	<0.1 mg/kg	1.285	<0.129 mg/kg	<0.00001 %		<LOD
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				30 mg/kg	1.462	43.847 mg/kg	0.00438 %		
		215-160-9	1308-38-9							
5	copper { copper sulphate pentahydrate }				29 mg/kg	3.929	113.943 mg/kg	0.0114 %		
	029-023-00-4	231-847-6	7758-99-8							
6	lead { lead chromate }			1	16 mg/kg	1.56	24.957 mg/kg	0.0016 %		
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				52 mg/kg	2.976	154.766 mg/kg	0.0155 %		
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
	034-002-00-8									
10	vanadium { divanadium pentaoxide; vanadium pentoxide }				39 mg/kg	1.785	69.622 mg/kg	0.00696 %		
	023-001-00-8	215-239-8	1314-62-1							
11	zinc { zinc chromate }				65 mg/kg	2.774	180.32 mg/kg	0.018 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.3 pH		7.3 pH	7.3 pH		
			PH							
13	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
14	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
15	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
16	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
17	phenanthrene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
		201-581-5	85-01-8							
18	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
19	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
20	pyrene	204-927-3	129-00-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
21	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
22	chrysene	601-048-00-0	205-923-4	218-01-9	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
23	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
25	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
26	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
27	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
28	benzo[ghi]perylene	205-883-8	191-24-2		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
29	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
30	TPH (C6 to C40) petroleum group		TPH		35 mg/kg		35 mg/kg	0.0035 %		
Total:								0.062 %		

## Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

**Force this Hazardous property to non hazardous because** The material being tested is soil, and no free product was observed in the samples recovered. The hazard property therefore does not apply.


Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0035%)

## Classification of sample: CP101 0.2m

 **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

## Sample details

Sample name:	LoW Code:	
<b>CP101 0.2m</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands





Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				1.7 mg/kg	1.32	2.245 mg/kg	0.000224 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium sulfide }			1	<0.1 mg/kg	1.285	<0.129 mg/kg	<0.00001 %		<LOD
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8.2 mg/kg	1.462	11.985 mg/kg	0.0012 %		
		215-160-9	1308-38-9							
5	copper { copper sulphate pentahydrate }				48 mg/kg	3.929	188.595 mg/kg	0.0189 %		
	029-023-00-4	231-847-6	7758-99-8							
6	lead { lead chromate }			1	5 mg/kg	1.56	7.799 mg/kg	0.0005 %		
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				18 mg/kg	2.976	53.573 mg/kg	0.00536 %		
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
	034-002-00-8									
10	vanadium { divanadium pentaoxide; vanadium pentoxide }				230 mg/kg	1.785	410.593 mg/kg	0.0411 %		
	023-001-00-8	215-239-8	1314-62-1							
11	zinc { zinc chromate }				100 mg/kg	2.774	277.415 mg/kg	0.0277 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				8.7 pH		8.7 pH	8.7 pH		
			PH							
13	naphthalene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3							
14	acenaphthylene				0.16 mg/kg		0.16 mg/kg	0.000016 %		
		205-917-1	208-96-8							
15	acenaphthene				0.15 mg/kg		0.15 mg/kg	0.000015 %		
		201-469-6	83-32-9							
16	fluorene				0.13 mg/kg		0.13 mg/kg	0.000013 %		
		201-695-5	86-73-7							
17	phenanthrene				0.35 mg/kg		0.35 mg/kg	0.000035 %		
		201-581-5	85-01-8							
18	anthracene				0.31 mg/kg		0.31 mg/kg	0.000031 %		
		204-371-1	120-12-7							
19	fluoranthene				0.8 mg/kg		0.8 mg/kg	0.00008 %		
		205-912-4	206-44-0							




#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
20	pyrene				0.78 mg/kg		0.78 mg/kg	0.000078 %		
		204-927-3	129-00-0							
21	benzo[a]anthracene				0.28 mg/kg		0.28 mg/kg	0.000028 %		
		601-033-00-9	200-280-6							
22	chrysene				0.24 mg/kg		0.24 mg/kg	0.000024 %		
		601-048-00-0	205-923-4							
23	benzo[b]fluoranthene				0.21 mg/kg		0.21 mg/kg	0.000021 %		
		601-034-00-4	205-911-9							
24	benzo[k]fluoranthene				0.15 mg/kg		0.15 mg/kg	0.000015 %		
		601-036-00-5	205-916-6							
25	benzo[a]pyrene; benzo[def]chrysene				0.43 mg/kg		0.43 mg/kg	0.000043 %		
		601-032-00-3	200-028-5							
26	indeno[123-cd]pyrene				0.14 mg/kg		0.14 mg/kg	0.000014 %		
			205-893-2							
27	dibenz[a,h]anthracene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		601-041-00-2	200-181-8							
28	benzo[ghi]perylene				0.16 mg/kg		0.16 mg/kg	0.000016 %		
			205-883-8							
29	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
30	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
Total:								0.0965 %		

## Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Classification of sample: CP101 0.5m

 **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

## Sample details

Sample name:	LoW Code:	
<b>CP101 0.5m</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified


## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				12	mg/kg	1.32	15.844	mg/kg	0.00158 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.9	mg/kg	3.22	2.898	mg/kg	0.00029 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium sulfide }			1	0.3	mg/kg	1.285	0.386	mg/kg	0.00003 %		
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				41	mg/kg	1.462	59.924	mg/kg	0.00599 %		
		215-160-9	1308-38-9									
5	copper { copper sulphate pentahydrate }				120	mg/kg	3.929	471.486	mg/kg	0.0471 %		
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	90	mg/kg	1.56	140.383	mg/kg	0.009 %		
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel chromate }				59	mg/kg	2.976	175.6	mg/kg	0.0176 %		
	028-035-00-7	238-766-5	14721-18-7									
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
10	vanadium { divanadium pentaoxide; vanadium pentoxide }				140	mg/kg	1.785	249.926	mg/kg	0.025 %		
	023-001-00-8	215-239-8	1314-62-1									
11	zinc { zinc chromate }				99	mg/kg	2.774	274.641	mg/kg	0.0275 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.4	pH		7.4	pH	7.4 pH		
			PH									
13	naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
14	acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8									
15	acenaphthene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9									
16	fluorene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7									
17	phenanthrene				0.07	mg/kg		0.07	mg/kg	0.000007 %		
		201-581-5	85-01-8									
18	anthracene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7									
19	fluoranthene				0.06	mg/kg		0.06	mg/kg	0.000006 %		
		205-912-4	206-44-0									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
20	pyrene	204-927-3	129-00-0		0.05 mg/kg		0.05 mg/kg	0.000005 %		
21	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
22	chrysene	601-048-00-0	205-923-4	218-01-9	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
23	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
25	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
26	indeno[123-cd]pyrene	205-893-2	193-39-5		0.03 mg/kg		0.03 mg/kg	0.000003 %		
27	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
28	benzo[ghi]perylene	205-883-8	191-24-2		0.05 mg/kg		0.05 mg/kg	0.000005 %		
29	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
30	TPH (C6 to C40) petroleum group		TPH		160 mg/kg		160 mg/kg	0.016 %		
Total:								0.15 %		

## Key

<span style="background-color: yellow;"> </span>	User supplied data
<span style="background-color: #cccccc;"> </span>	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

**Force this Hazardous property to non hazardous because** The material being tested is soil, and no free product was observed in the samples recovered. The hazard property therefore does not apply.


Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.016%)

## Classification of sample: WS102 1.0m

 **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

## Sample details

Sample name:	LoW Code:	
<b>WS102 1.0m</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

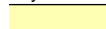



## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				10	mg/kg	1.32	13.203	mg/kg	0.00132 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.9	mg/kg	3.22	2.898	mg/kg	0.00029 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium sulfide }			1	<0.1	mg/kg	1.285	<0.129	mg/kg	<0.00001 %		<LOD
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12	mg/kg	1.462	17.539	mg/kg	0.00175 %		
		215-160-9	1308-38-9									
5	copper { copper sulphate pentahydrate }				83	mg/kg	3.929	326.111	mg/kg	0.0326 %		
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	23	mg/kg	1.56	35.876	mg/kg	0.0023 %		
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel chromate }				69	mg/kg	2.976	205.362	mg/kg	0.0205 %		
	028-035-00-7	238-766-5	14721-18-7									
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
10	vanadium { divanadium pentaoxide; vanadium pentoxide }				71	mg/kg	1.785	126.748	mg/kg	0.0127 %		
	023-001-00-8	215-239-8	1314-62-1									
11	zinc { zinc chromate }				70	mg/kg	2.774	194.19	mg/kg	0.0194 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.1	pH		6.1	pH	6.1 pH		
			PH									
13	naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
14	acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8									
15	acenaphthene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9									
16	fluorene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7									
17	phenanthrene				0.08	mg/kg		0.08	mg/kg	0.000008 %		
		201-581-5	85-01-8									
18	anthracene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7									
19	fluoranthene				0.04	mg/kg		0.04	mg/kg	0.000004 %		
		205-912-4	206-44-0									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
20	pyrene	204-927-3	129-00-0		0.04 mg/kg		0.04 mg/kg	0.000004 %		
21	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
22	chrysene	601-048-00-0	205-923-4	218-01-9	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
23	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.04 mg/kg		0.04 mg/kg	0.000004 %		
24	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.04 mg/kg		0.04 mg/kg	0.000004 %		
25	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.04 mg/kg		0.04 mg/kg	0.000004 %		
26	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
27	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
28	benzo[ghi]perylene	205-883-8	191-24-2		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
29	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
30	TPH (C6 to C40) petroleum group		TPH		160 mg/kg		160 mg/kg	0.016 %		
Total:								0.107 %		

## Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

**Force this Hazardous property to non hazardous because** The material being tested is soil, and no free product was observed in the samples recovered. The hazard property therefore does not apply.

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.016%)

---

**Appendix A: Classifier defined and non CLP determinands**

---

**chromium(III) oxide (worst case)** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&amp;L Inventory Database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4 H332 , Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Resp. Sens. 1 H334 , Skin Sens. 1 H317 , Repr. 1B H360FD , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

**pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

**acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&amp;L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H330 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

**acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&amp;L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Aquatic Chronic 2 H411

**fluorene** (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&amp;L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

**phenanthrene** (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&amp;L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 2 H351 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Skin Irrit. 2 H315

**anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&amp;L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

**fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&amp;L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 21 Aug 2015

Hazard Statements: Acute Tox. 4 H302 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

**pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&amp;L Inventory Database; SDS Sigma Aldrich 2014

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 21 Aug 2015

Hazard Statements: Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

**indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&amp;L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Carc. 2 H351

**benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&amp;L Inventory Database; SDS Sigma Aldrich 28/02/2015

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 23 Jul 2015

Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

- confirm TPH has NOT arisen from diesel or petrol

Description/Comments: Chapter 3, section 4b requires a positive confirmation for benzo[a]pyrene to be used as a marker in evaluating Carc. 1B; H350 (HP 7) and Muta. 1B; H340 (HP 11)

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

- TPH (C6 to C40) petroleum group (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: Flam. Liq. 3 H226 , Asp. Tox. 1 H304 , STOT RE 2 H373 , Muta. 1B H340 , Carc. 1B H350 , Repr. 2 H361d , Aquatic Chronic 2 H411

## Appendix B: Rationale for selection of metal species

### arsenic {arsenic trioxide}

(enter justification for selecting this species)

### boron {diboron trioxide; boric oxide}

(enter justification for selecting this species)

### cadmium {cadmium sulfide}

(enter justification for selecting this species)

### chromium in chromium(III) compounds {chromium(III) oxide (worst case)}

(enter justification for selecting this species)

### copper {copper sulphate pentahydrate}

(enter justification for selecting this species)

### lead {lead chromate}

(enter justification for selecting this species)

### mercury {mercury dichloride}

(enter justification for selecting this species)

### nickel {nickel chromate}

(enter justification for selecting this species)

### selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

(enter justification for selecting this species)

### vanadium {divanadium pentaoxide; vanadium pentoxide}

(enter justification for selecting this species)

### zinc {zinc chromate}

(enter justification for selecting this species)

## Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.197.4823.9172 (16 Jul 2021)

HazWasteOnline Database: 2021.197.4823.9172 (16 Jul 2021)



This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**CLP Regulation** - Regulation 1272/2008/EC of 16 December 2008

**1st ATP** - Regulation 790/2009/EC of 10 August 2009

**2nd ATP** - Regulation 286/2011/EC of 10 March 2011

**3rd ATP** - Regulation 618/2012/EU of 10 July 2012

**4th ATP** - Regulation 487/2013/EU of 8 May 2013

**Correction to 1st ATP** - Regulation 758/2013/EU of 7 August 2013

**5th ATP** - Regulation 944/2013/EU of 2 October 2013

**6th ATP** - Regulation 605/2014/EU of 5 June 2014

**WFD Annex III replacement** - Regulation 1357/2014/EU of 18 December 2014

**Revised List of Waste 2014** - Decision 2014/955/EU of 18 December 2014

**7th ATP** - Regulation 2015/1221/EU of 24 July 2015

**8th ATP** - Regulation (EU) 2016/918 of 19 May 2016

**9th ATP** - Regulation (EU) 2016/1179 of 19 July 2016

**10th ATP** - Regulation (EU) 2017/776 of 4 May 2017

**HP14 amendment** - Regulation (EU) 2017/997 of 8 June 2017

**13th ATP** - Regulation (EU) 2018/1480 of 4 October 2018

**14th ATP** - Regulation (EU) 2020/217 of 4 October 2019

**15th ATP** - Regulation (EU) 2020/1182 of 19 May 2020

**The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)**

**Regulations 2019** - UK: 2019 No. 720 of 27th March 2019

**The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)**

**Regulations 2020** - UK: 2020 No. 1567 of 16th December 2020

**The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020** - UK: 2020 No. 1540 of 16th December 2020

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

## **Appendix E**

### Ground Gas Risk Assessment Guidelines

## ASSESSMENT OF GAS CHARACTERISATION

The following notes on the G3 approach to assessing the gas protection requirements of new buildings are based on CIRIA C665 and BS8485:2015. These documents should be consulted for specific details and additional information not included within this summary sheet.

### Building Types

	Type A	Type B	Type C	Type D
Ownership	Private	Private or commercial / public	Commercial / Public	Commercial / Industrial
Control (Change of use, structural alterations, ventilation)	None	Some but not all	Full	Full
Room Sizes	Small	Small / medium	Small to Large	Large industrial / retail park style

Type A buildings are those where the risk of failure of the gas protection measures is likely to be most significant to the safety of the occupants, and Type D buildings are those where this same risk is likely to be least significant.

### Assessment of Borehole Monitoring

Characteristic Situation	Risk Classification	Gas Screening Value	Additional Limiting Factors	Typical Sources
1	Very low risk	<0.07	Typical methane $\leq 1\%$ by volume and carbon dioxide $\geq 5\%$ by volume. Otherwise consider increase to CS2	Natural soils with low organic content. Typical Made ground.
2	Low risk	<0.7	Borehole air flow rate not to exceed 70litres/hour, otherwise increase to CS3	Natural soils, high peat/organic content. Typical made ground
3	Moderate risk	<3.5		Old landfill, inert waste, mineworkings flooded.
4	Moderate to high risk	<15	Quantitative risk assessment required to evaluate scope of protection measures.	Mineworkings susceptible to flooding. Completed landfill, inert waste, WMP26B Criteria
5	High risk	<70		Mineworkings unflooded inactive with shallow workings near surface.
6	Very high risk	>70		Recent landfill site.

This table originates from CIRIA C665.

### Minimum Gas Protection Score

Characteristic Situation	Type A Building	Type B Building	Type C Building	Type D Building
1	0	0	0	0
2	3.5	3.5	2.5	1.5
3	4.5	4	3	2.5
4	6.5 <sup>A</sup>	5.5 <sup>A</sup>	4.5	3.5
5	- <sup>B</sup>	6.5 <sup>A</sup>	5.5	4.5
6	- <sup>B</sup>	- <sup>B</sup>	7.5	6.5

Note A Residential buildings should not generally be built on CS4 sites.

Note B The gas hazard is too high for this empirical method to be used.

Section 7.2 of BS8485:2015 provides options in terms of structural barrier, ventilation protection measures and gas membranes to allow the required level of protection (score) to be achieved. It is likely that the choice of protection will be based on the preferences of the builder.

Appendix F  
Copy of Utility Plans





264758675

SERVICE 3-39855

SERVICE 3-39854

SERVICE 3-39856

REF: 1621

REF: 1623

264758675

# ATKINS

Member of the SNC-Lavalin Group

# Utility Search Report

## Site off Dunbeth Road, Coatbridge

ATKINS

Lucy Austin

Report Date: 17 June 2021

Version: V1

Customer Reference: Kildonan Project

Order Reference: 96739

## Notice

This document, its contents and appendices have been prepared and are intended solely as information for ATKINS, and use in relation to reviewing desktop utility records. Where an instruction is received on behalf of an appropriate third party, the use of this document extends to the third party only on a view only basis.

Atkins Limited assumes no responsibility to any other party in respect of or arising out of or in connection with this document and/or its contents.

Furthermore, Atkins Limited will not be held responsible for any incident or accident arising from the use of the information associated with this Utility Search Report. The details provided are given in good faith, but no liability whatsoever can be accepted in respect thereof.

## Highlight Status

<b>Number of Utility Companies Contacted</b>	17
--	----

The highlight status table provides a breakdown of the number of responses received by utility category; however, it must be noted that some utility companies provide services across multiple categories. As a result, the total number of responses gathered will often be greater than the total number of utility companies contacted.

Utility Category	Status	Number of Responses Received
Electricity	AFFECTED	3
Gas	AFFECTED	2
Water and Sewerage	AFFECTED	2
Telecoms	AFFECTED	8
Other	AFFECTED	3

## Additional information

The following information was gathered at the point of order:

<b>Site Size (ha)</b>	0.81
<b>Description of Works</b>	Design
<b>Utility Companies Contacted</b>	17
<b>Service</b>	10 Working Days
<b>Supplied Postcode</b>	ML5 3LF
<b>Supplied Grid Reference</b>	273589,665243
<b>On Behalf of</b>	North Lanarkshire Council

# Report Guidance

## Scope of Report

This report contains a summary of information obtained during a desktop search of all utilities known to operate within or near the specified boundary.

## Methodology

We have submitted an enquiry and site location plan to all known utility companies operating at the site location and requested them to either a) provide copies of their relevant asset records, or b) provide a response confirming that they have no assets in the area. The enquiry process varies between utility companies and for the purposes of this report an enquiry can take the form of a written enquiry, an online application or direct access to utility asset plans.

## Contents of report

This Utility Search Report is formed of the following sections:

- Location Plan

A plan of the site location showing the boundary defined for the search

- Status Report

A table listing the enquiries submitted and detailing their status as defined in the example table below. The status report also depicts the version of the report, which is updated each time a revision is issued containing additional responses.

Status	Summary Description
Affected	We have received a response indicating apparatus and/or underground assets are present within the site location.
No Responses Received	We are still awaiting a response from the utility company.
Not Affected	We have received a response indicating no apparatus and/or underground assets are present within the site location.

The original responses from utility companies are delivered as an appendix.

## Response times

In compiling this report, we endeavour to obtain all responses by the 17 June 2021. However, this is dependent on the respective utility companies providing a response within the requested timescale.

Subsequent updates will be provided as a revised version when and if the information becomes available.



## PAS 128:2014

This Utility Search Report has been completed in accordance with the methodology detailed within PAS 128:2014; Specification for underground utility detection, verification and location, defined therein as Survey Type D.

PAS 128:2014 sets out provisions to those engaged in the detection, verification and location of active, abandoned, redundant and unknown utilities. Survey Type D (desktop utility search) is a prerequisite to any subsequent onsite detection. The specification further recommends that desktop utility search records older than 90 days should be classed as historical.

It must be noted the positional accuracy of plant is not guaranteed from information presented in a desktop search alone and the location of underground utilities should be verified through other means prior to breaking ground.

Information relating to the presence of Radio Frequency Identification Devices (RFIDs) has been requested from relevant utility companies or taken from utility asset systems where available.

Utility companies who have not responded to enquiries are referenced on the enclosed Status Report accordingly. Their response will be chased and forwarded on as per our standard terms and conditions. Whilst we cannot guarantee that a utility company will respond to our enquiries, we endeavour to obtain responses from those that have not responded.

Any responses contained within this report have been obtained between the date of the order and the date of issue.

## HSG47 and CDM 2015

This Utility Search Report helps fulfil crucial responsibilities under the [Construction \(Design and Management\) Regulations 2015](#) and recommendations within [HSG47](#), Avoiding danger from underground services.

## Terms and Conditions

The terms and conditions associated with this report can be found [here](#). Alternatively, please log in to your account at [utilityolutions.atkinsglobal.com](http://utilityolutions.atkinsglobal.com).

## Further Support

If you have any queries regarding the contents of this report please contact our team who will be happy to help on 01454 662086 or email [searches.utilityolutions@atkinsglobal.com](mailto:searches.utilityolutions@atkinsglobal.com). Please ensure you are prepared to quote order reference '96739' in relation to this specific utility search.

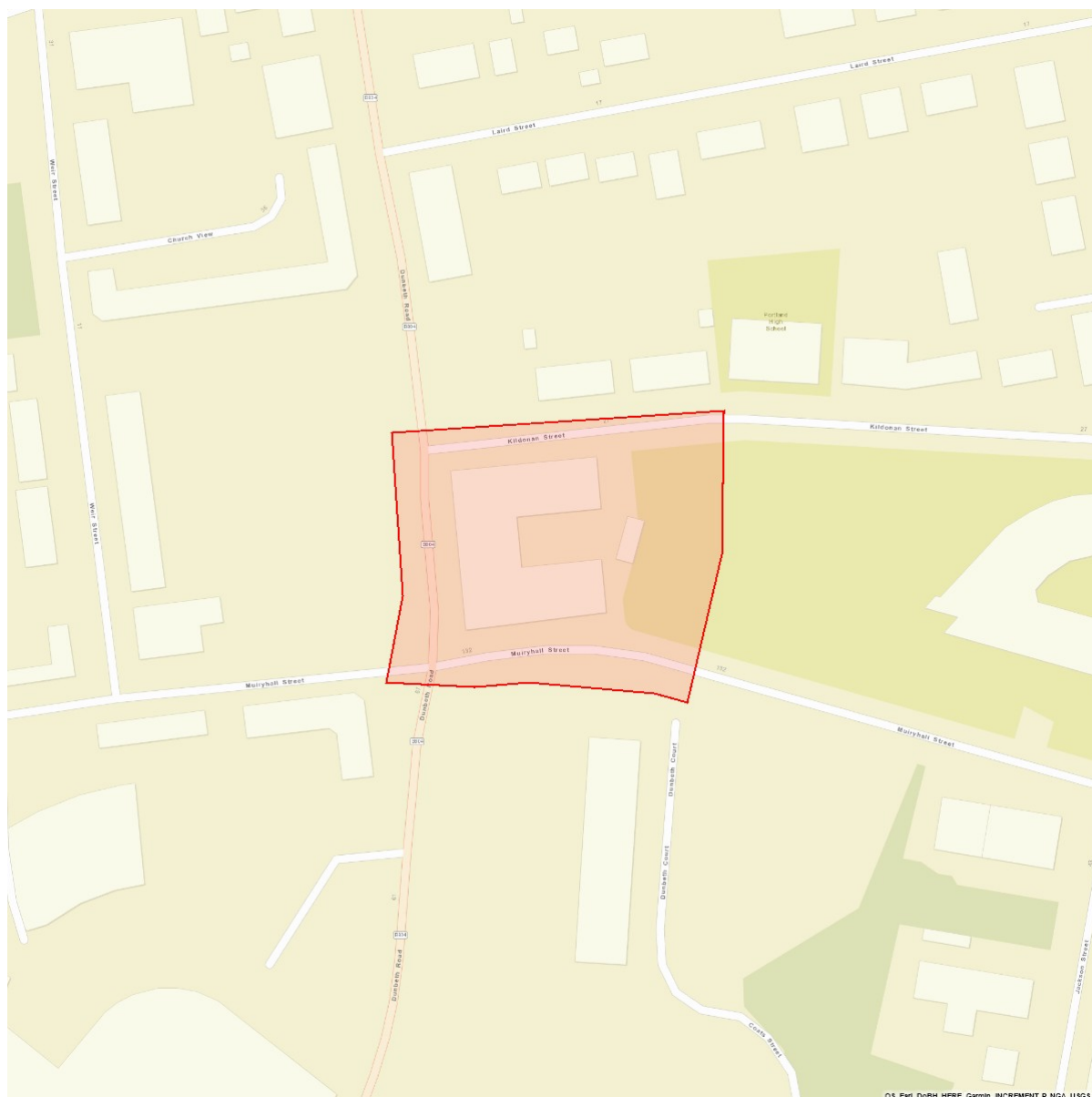
# Location Plan

A map of the site location showing the boundary defined for the search.



# Location Plan

Order Ref	96739	Site location checked by	JBC
Site	Site off Dunbeth Road, Coatbridge		



Note: Utility asset information has been requested for the whole area demarcated by the **red boundary**.

Site Size (ha)	0.81	Map Scale	1:1000
Defining Coordinates (& postcodes)	273590 665242,273640 665287,273536 665203,273629 665197 ML5 3LF,ML5 3LQ,ML5 3EW,ML5 3HG		

# Status Report

A summary of the responses gathered from relevant utility companies with respect to the presence of apparatus or underground assets, within the area specified in the location plan.

The original responses from utility companies are delivered as an appendix.



# Status Report

Order Ref	96739	Site	Site off Dunbeth Road, Coatbridge
Checked and validated by	TT	Date	17 June 2021

## Affected Utilities

We have received 9 response(s) indicating apparatus and/or underground assets are present within the site location from the following utility companies.

Utility	Category	Date Issued	Notes
LinesearchbeforeUdig	Other	17 June 2021	SGN - (Scotland Gas Networks) - identified as affected. See separate response.
North Lanarkshire Council	Council	17 June 2021	
Openreach - [British Telecommunications]	Telecom	17 June 2021	
Scottish Water	Water, Sewerage	17 June 2021	
SGN - (Scotland Gas Networks)	Gas	17 June 2021	
SP Energy Networks - (Scotland)	Electric	17 June 2021	
Utility Assets	Electric	17 June 2021	See response.
Virgin Media	Telecom	17 June 2021	
Vodafone	Telecom	17 June 2021	

## No Response Received

We are still awaiting 2 response(s) from the utility companies.

Utility	Category	Notes
C.A. Telecom UK - [Colt Technology Services]	Telecom	
Scottish Environment Protection Agency - (SEPA)	Environmental Agency	

## Not Affected Utilities

We have received 6 response(s) indicating no apparatus and/or underground assets are present within the site location from the following utility companies.

Utility	Category	Date Issued	Notes
CityFibre	Telecom	17 June 2021	
GTC	Telecom, Gas, Electric, Water	17 June 2021	
Instalcom - [CenturyLink, Global Crossing, Fibernet & Fibrespan]	Telecom	17 June 2021	
Network Rail	Rail	17 June 2021	
SKY Telecommunications Services	Telecom	17 June 2021	
Verizon	Telecom	17 June 2021	

## Guidance

The following table summarises definitions for the status of responses received from utility companies and provides recommended next steps:

Status	Definition	Recommendation
<b>Affected</b>	Utility company is expected to be affected by any work carried out in the area searched, as their asset records indicate their plant is located within or close to the area searched.	We would advise you to consult with the utility company as soon as possible and in any event prior to carrying out any works. Further on-site detection and verification should be undertaken before any works are commenced.
<b>No Response Received</b>	At the date of issuing this report no response has been received from the utility company.	Exercise caution when planning or conducting further work. It must always be assumed that assets are present.
<b>Not Affected</b>	Utility company is not expected to be affected by any work carried out in the area searched as their records indicate their plant is not in or close to the area searched.	There should be no further need to consult with the utility company, based on the information provided. However, appropriate detection and verification should be undertaken before any works are commenced.

# Discover More

To complement the Utility Search Report, we can also offer a Utility Search Map that collates all affected utility responses onto an intuitive visual representation delivered in PDF, CAD and GIS formats.

In addition, we also provide a wide range of utility related consultancy services that can support your business needs throughout any stage of the project lifecycle. These include wayleave searches, diversionary works, constraints and capacity analysis through to new connections and coordination. For further information please visit our website at [utilityolutions.atkinsglobal.com](http://utilityolutions.atkinsglobal.com).

## Project Phases



### Discovery

This initial phase assists with early project planning by establishing the presence of utilities in an area. Comprehensive searches for utility information are provided in a number of convenient formats.



### Feasibility

The phase at which information obtained during Discovery is evaluated and assessed to make recommendations on how a project might be progressed. Additional information is sought from utility companies to inform next steps.



### Procurement

Detailed, formal costs are obtained, usually when a scheme is progressing towards final design. Our market knowledge and value engineering principles are applied to seek cost savings.



### Coordination

The final phase assists with the planning and coordination of utility works alongside site-based construction activity. Relevant stakeholders are engaged to deliver efficient utility programmes.

We're here to help across your entire project lifecycle

Utility Search Map



Constraints Analysis



Capacity Analysis



Diversionary Works



New Connections





## Atkins Utility Solutions

The Hub, 500 Park Avenue  
Aztec West, Bristol, BS32 4RZ

[searches.utilitysolutions@atkinglobal.com](mailto:searches.utilitysolutions@atkinglobal.com)

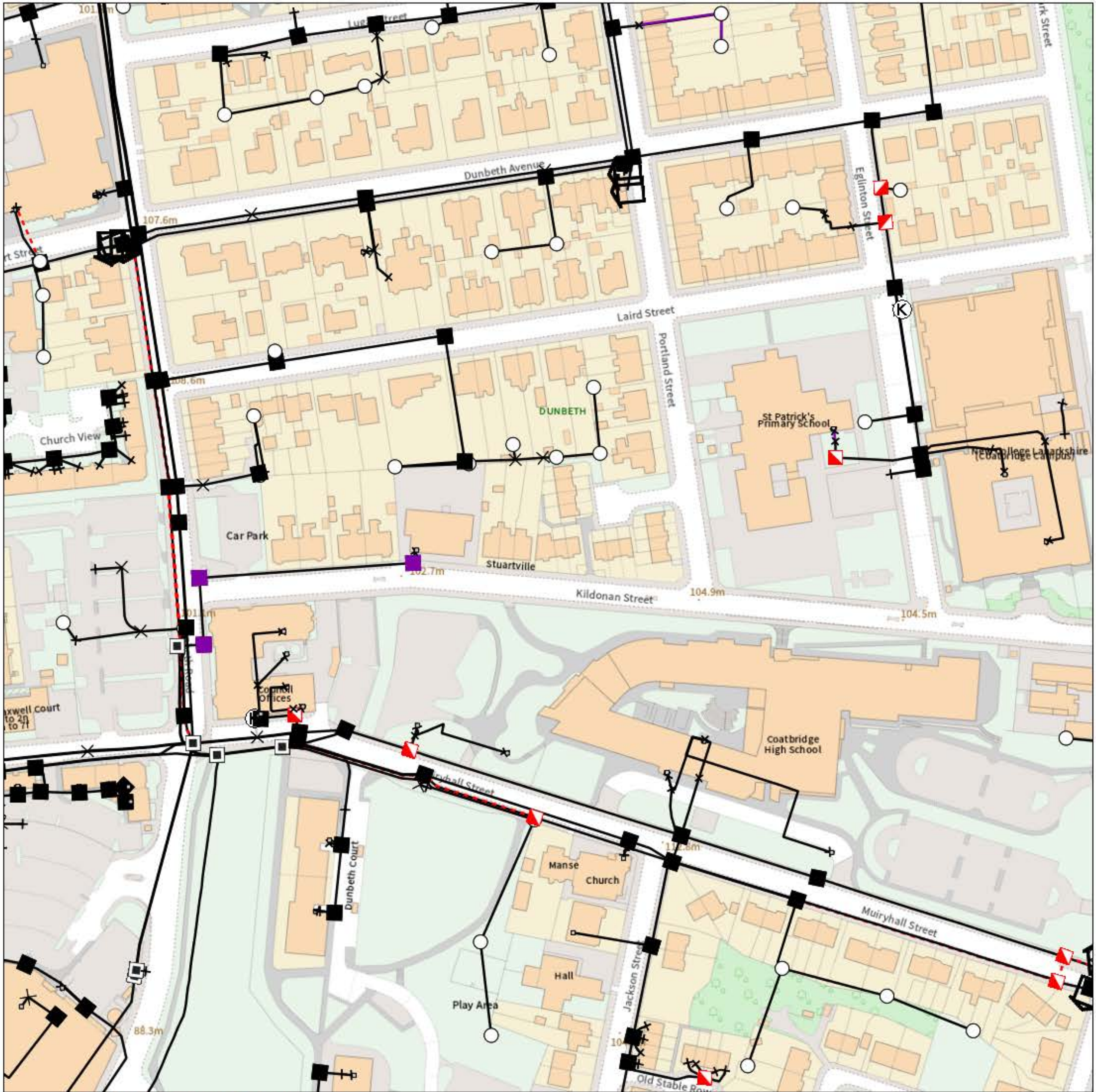
+44(0)1454 662086

<https://utilitysolutions.atkinglobal.com>

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# Maps by email Plant Information Reply



## IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy. It should not be relied upon in the event of excavations or other works being made near to BT apparatus which may exist at various depths and may deviate from the marked route.



**openreach**

### CLICK BEFORE YOU DIG

FOR PROFESSIONAL FREE ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS INCLUDING LOCATE AND MARKING SERVICE

email [cbyd@openreach.co.uk](mailto:cbyd@openreach.co.uk)

ADVANCE NOTICE REQUIRED  
(Office hours: Monday - Friday 08.00 to 17.00)  
[www.openreach.co.uk/cbyd](http://www.openreach.co.uk/cbyd)

### Accidents happen

If you do damage any Openreach equipment please let us know by calling 0800 023 2023 (opt 1 + opt 1) and we can get it fixed ASAP

## KEY TO BT SYMBOLS

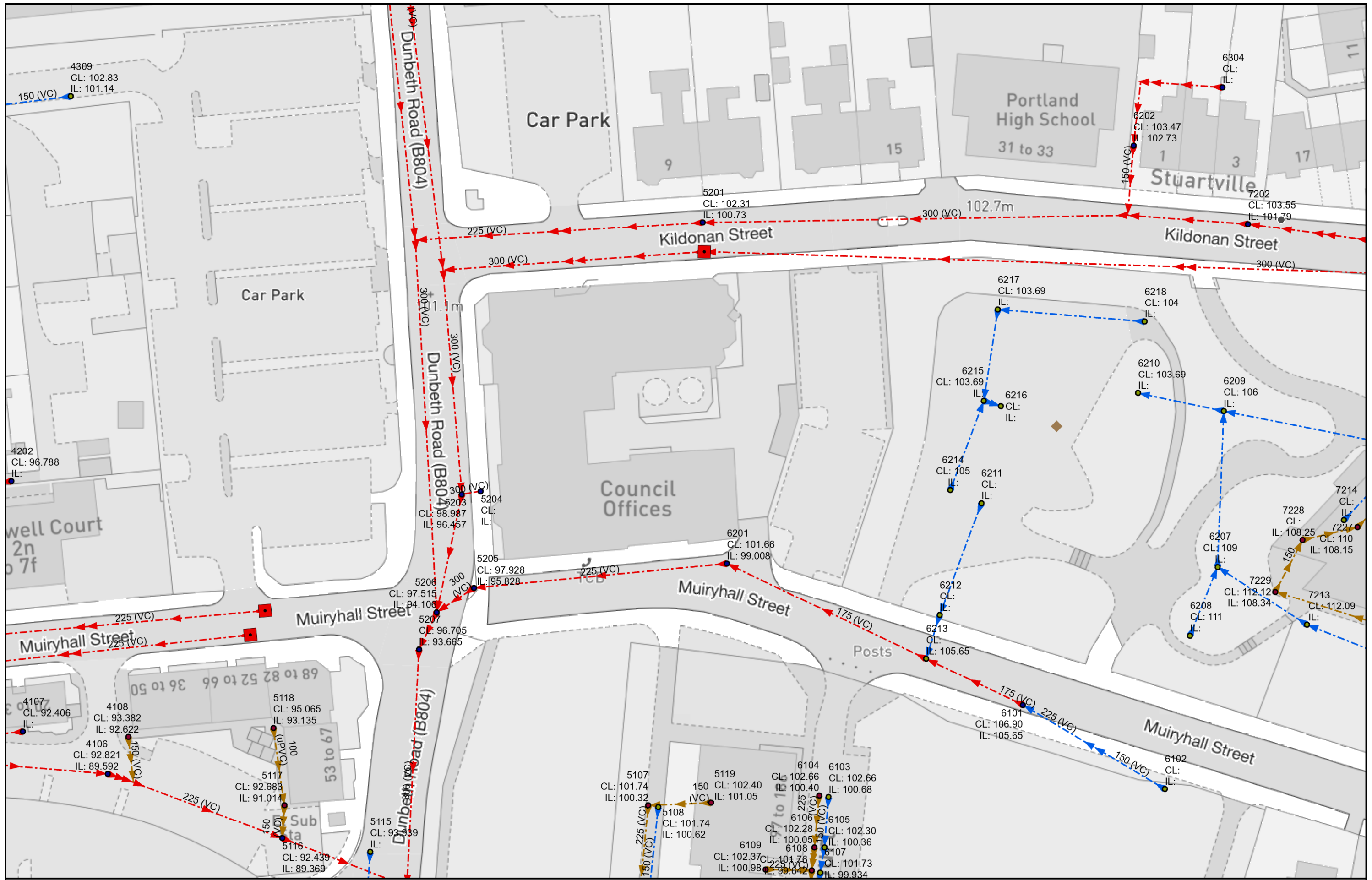
	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling	×	Built	
Pole			Duct Tee	▲	Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
Cabinet			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

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BT Ref : XHA10445N  
Map Reference : (centre) NS7370965299  
Easting/Northing : (centre) 273709,665299  
Issued : 04/06/2021 10:44:25

**WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: [nnhc@openreach.co.uk](mailto:nnhc@openreach.co.uk)**





Warning! Damaging a large diameter trunk main (12"/300mm and above) can result in loss of life and major water supply and water quality problems. If you're planning any extension work in the vicinity of any large diameter mains shown on our maps, you must contact Scottish Water to arrange a site visit 08000 778 778 WELL IN ADVANCE OF THE WORKS

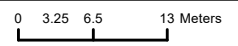
Plotted By: brian.mcmaister@national-one-call.co.uk



The representation of physical assets and the boundaries of areas in which Scottish Water and others have an interest does not necessarily imply their true positions. For further details contact the appropriate District office.

Date: 04/06/2021

## OP-JKIWU040 - Wastewater Plan



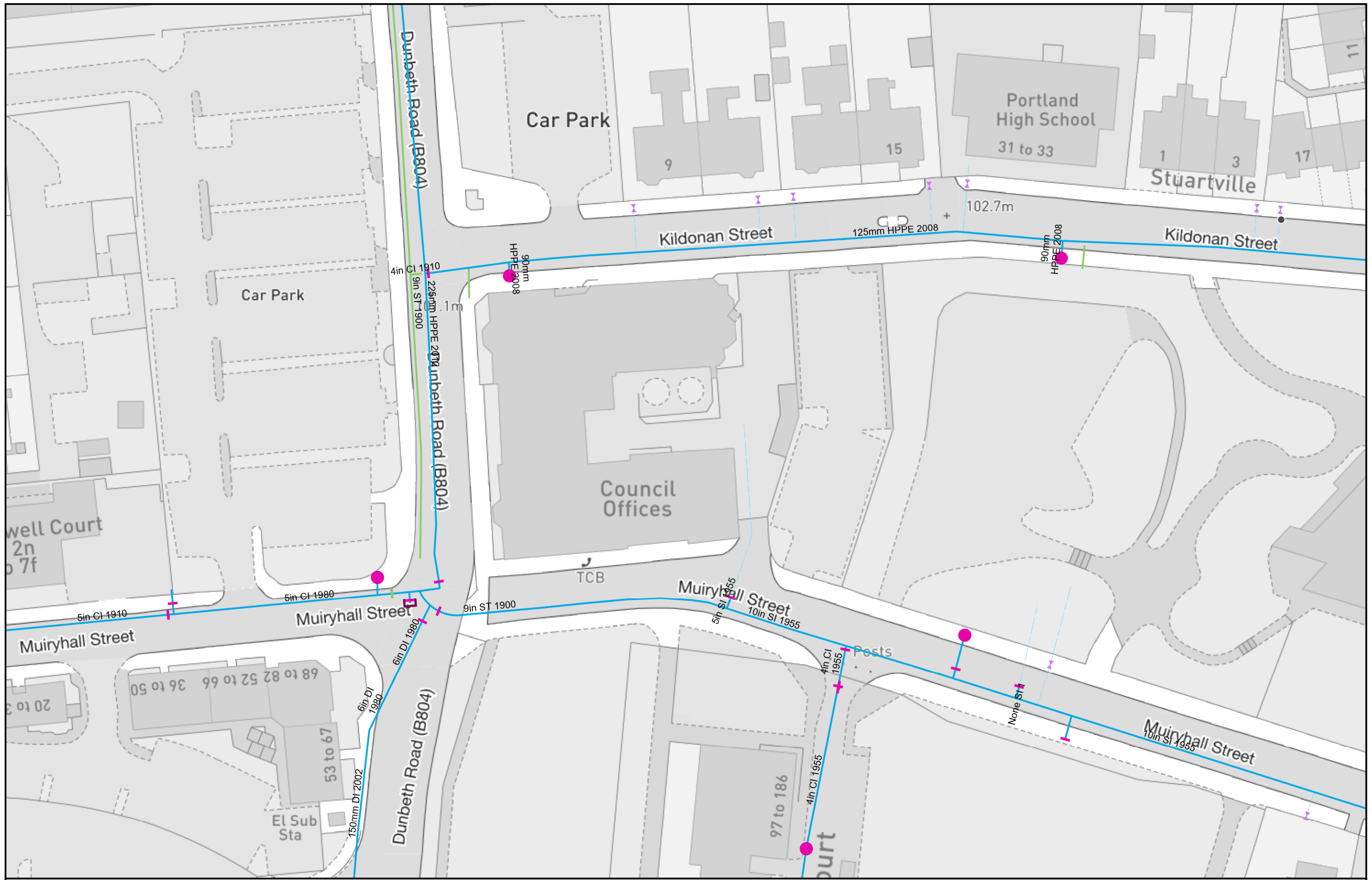
SCALE: 1:661

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Castle House,  
6 Castle Drive,  
Dunfermline,  
KY11 8GG

Tel No: 08000 778 778



Warning! Damaging a large diameter trunk main (12"/300mm and above) can result in loss of life and major water supply and water quality problems. If you're planning any extension work in the vicinity of any large diameter mains shown on our maps, you must contact Scottish Water to arrange a site visit 08000 778 778 WELL IN ADVANCE OF THE WORKS

Plotted By: brian.mcmaster@national-one-call.co.uk

The representation of physical assets and the boundaries of areas in which Scottish Water and others have an interest does not necessarily imply their true positions. For further details contact the appropriate District office.

Date: 04/06/2021

## OP-JKIWU040 - Water Plan

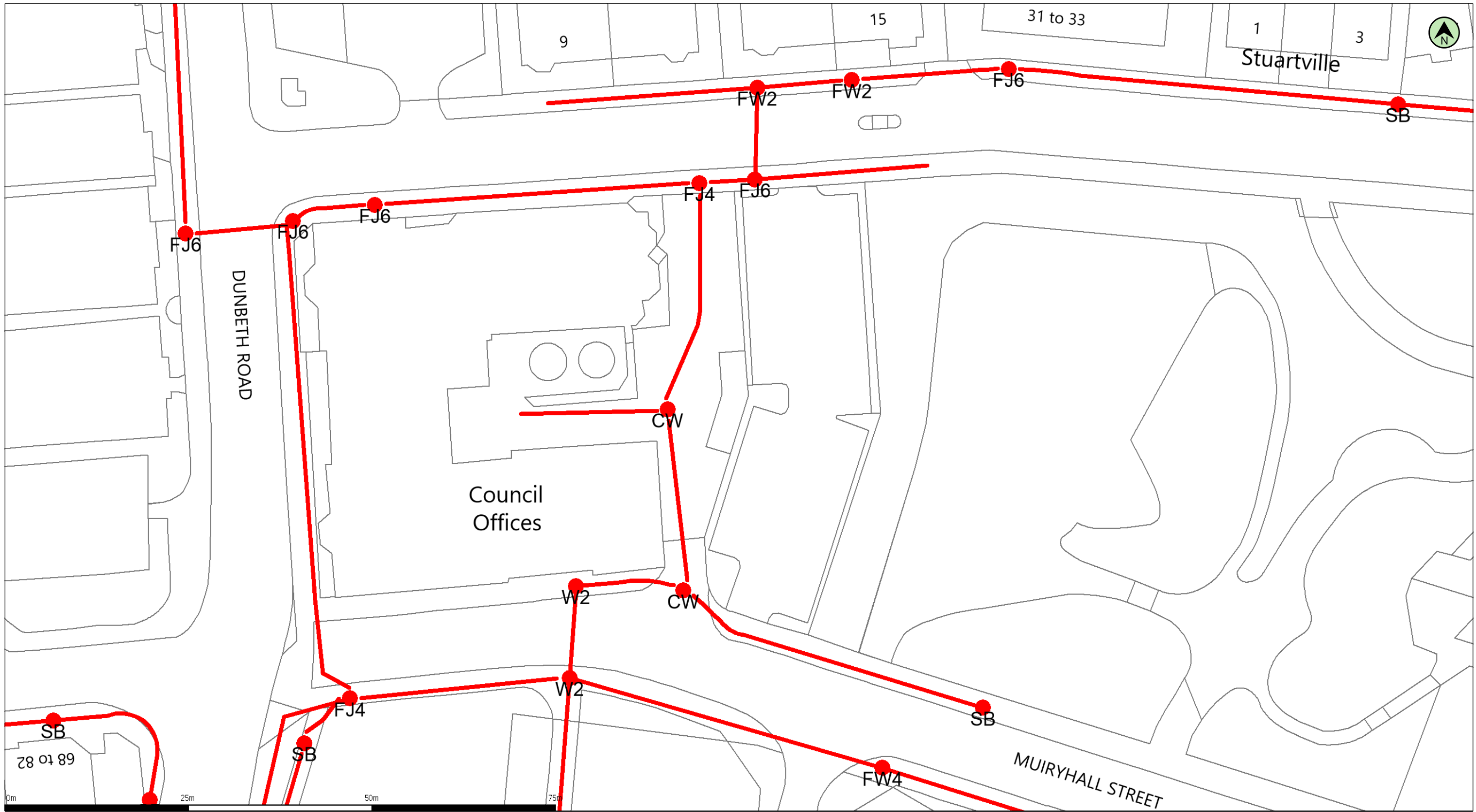
SCALE: 1:661

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**Scottish Water**  
Trusted to serve Scotland

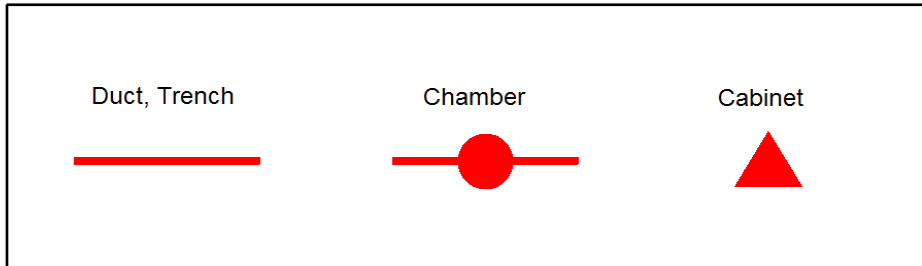
Castle House,  
6 Castle Drive,  
Dunfermline,  
KY118GG

Tel No: 08000 778 778



(c) Crown copyright and database rights 2021 Ordnance Survey 100019209      Date: 04/06/21      Scale: 1:500      Map Centre: 273613.665246      Data updated: 01/04/21      Our Ref: 572108 - 1      Telecoms Plan A3

Important Information - please read The purpose of this plan is to identify Virgin Media apparatus. We have tried to make it as accurate as possible but we cannot warrant its accuracy. In addition, we caution that within Virgin Media apparatus there may be instances where mains voltage power cables have been placed inside green, rather than black ducting. Further details can be found using the "Affected Postcodes.pdf", which can be downloaded from this website. Therefore, you must not rely solely on this plan if you are carrying out any excavation or other works in the vicinity of Virgin Media apparatus. The actual position of any underground service must be verified by cable detection equipment, etc. and established on site before any mechanical plant is used. Accordingly, unless it is due to the negligence of Virgin Media, its employees or agents, Virgin Media will not have any liability for any omissions or inaccuracies in the plan or for any loss or damage caused or arising from the use of and/or any reliance on this plan. This plan is produced by Virgin Media Limited (c) Crown copyright and database rights 2021 Ordnance Survey 100019209.

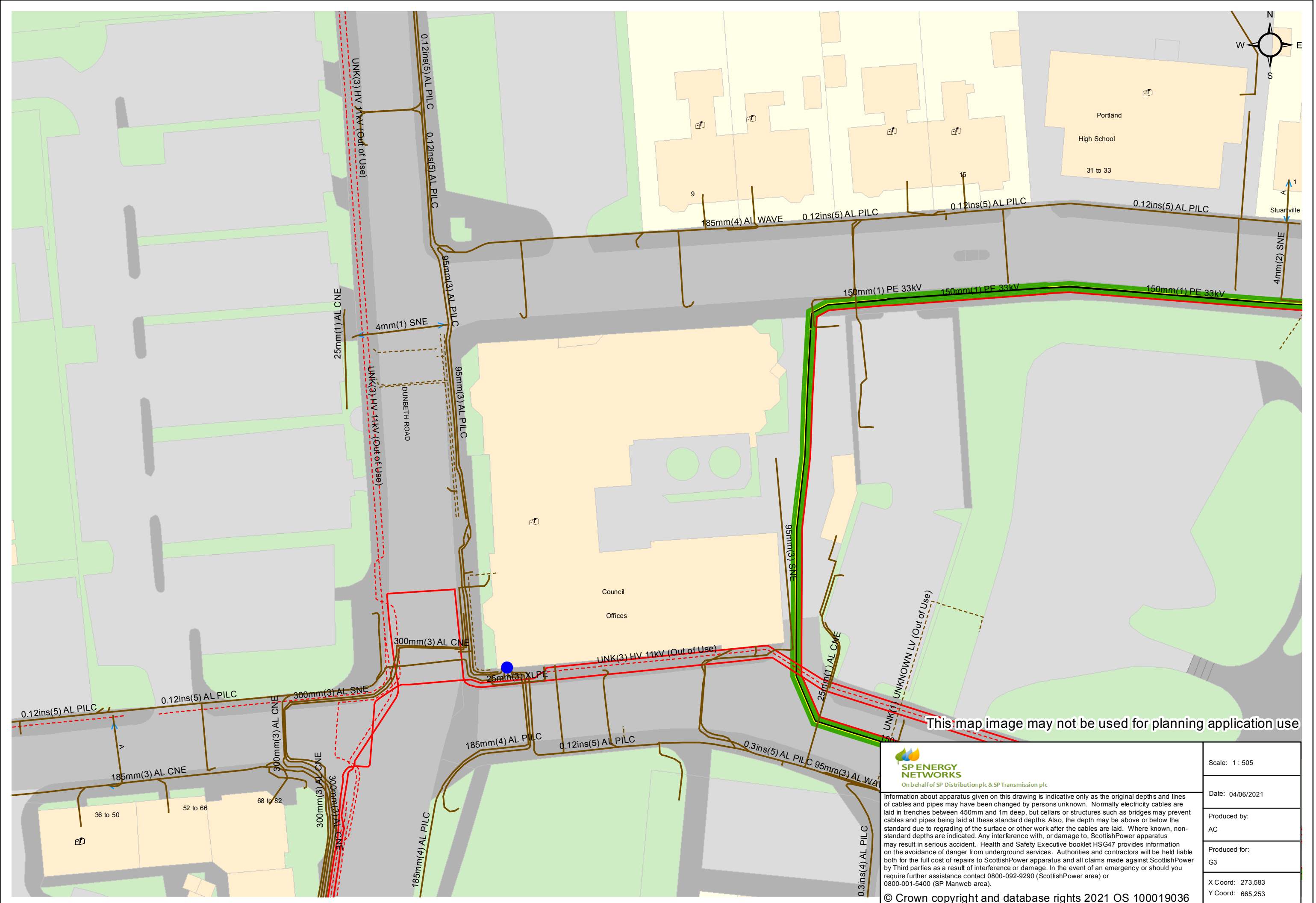


acampbell@g3eng.co.uk
Kildonan Street





Kildonan Street



This map image may not be used for planning application use



On behalf of SP Distribution plc & SP Transmission plc

Information about apparatus given on this drawing is indicative only as the original depths and lines of cables and pipes may have been changed by persons unknown. Normally electricity cables are laid in trenches between 450mm and 1m deep, but cellars or structures such as bridges may prevent cables and pipes being laid at these standard depths. Also, the depth may be above or below the standard due to regrading of the surface or other work after the cables are laid. Where known, non-standard depths are indicated. Any interference with, or damage to, ScottishPower apparatus may result in serious accident. Health and Safety Executive booklet HSG47 provides information on the avoidance of danger from underground services. Authorities and contractors will be held liable both for the full cost of repairs to ScottishPower apparatus and all claims made against ScottishPower by Third parties as a result of interference or damage. In the event of an emergency or should you require further assistance contact 0800-092-9290 (ScottishPower area) or 0800-001-5400 (SP Manweb area).

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Scale: 1 : 505
Date: 04/06/2021
Produced by: AC
Produced for: G3
X Coord: 273,583 Y Coord: 665,253